THE MIGRANT

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DEVOTED TO TENNESSEE BIRDS

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THE MIGRANT

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The T.O.S. is a non-profit, educational, scientific, and conservation organization.

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MACGILLIVRAY'S WARBLER IN DAVIDSON COUNTY, TENNESSEE

JAN SHAW
5019 Timberhill Drive
Nashville, TN 37211

On 25 October 2003, Jan Shaw of Nashville with Virginia and Tommy Curtis of Smithville briefly glimpsed what they thought was an immature female Mourning Warbler (*Oporornis philadelphia*) at Radnor Lake State Park in Davidson County, Tennessee. A Mourning Warbler had previously been viewed from the same area on 4-5 October 2003 by Shaw and many TOS members during field

Figure 1. MacGillivray's Warbler found at Radnor Lake State Park, Davidson County, Tennessee. The gray hood and thick white eye arcs are clearly visible. (Photo by Mike O'Malley)

trips at the TOS Fall Meeting. After going home and thinking about what she had seen, Shaw had doubts about the identity because the white around the eyes seemed to be too thick for a young Mourning and too incomplete for a Connecticut Warbler (*Oporornis agilis*) (Sibley 2000). She went back that afternoon, and after getting better views and a little video of the bird, she went home thinking it was a possible MacGillivray's Warbler (*Oporornis tolmiei*), a rare vagrant to the eastern United States, and a potential first state record for Tennessee. This warbler breeds from southeast Alaska to southern California, Arizona, and New Mexico, and east to the Black Hills of South Dakota. It winters in Mexico and south to western Panama, and occasionally in Arizona and Texas. MacGillivray's is more likely than Mourning to occur in the East during late fall and winter, so all sightings should be documented carefully (Dunn and Garrett 1997).

The bird was viewed again on the morning of 26 October by Jan Shaw, Michael Bierly, Phillip Casteel, Chris Sloan, and Mary Zimmerman. With good views for all and better video from Shaw and Sloan, it was positively identified as an adult male MacGillivray's Warbler (Figure 1). It had a gray hood with a slightly whitish upper throat, black lores, short, bold, white eye arcs, an olive back that contrasted greatly with the head and neck, bright yellow underparts all the way to the end of the tail, and an olive wash on the flanks. The legs were pinkish and the eyes dark. The tail often switched from side to side. The diagnostic features were the eye arcs, the full gray hood, and the black lores. The very thick, white eye arcs separated it from Mourning or Connecticut Warblers. Connecticut Warbler has a complete eye ring, and the immature Mourning Warbler has a very thin incomplete eye ring. The immature Mourning also has a yellowish throat, not the gray throat with white in it that this bird had. The bird never sang, but gave a distinctive call note. The notes were loud (sometimes softer), sharp, metallic, often several at a time, and then none for sometimes an hour or more. The Mourning Warbler has a flatter note (Dunn and Garrett 1997).

The bird occurred in low, brushy areas at the edge of the lake and along the spillway, and in small bushes in front of the ranger's house. It was observed foraging in this habitat and occasionally on the ground. It was also seen taking a quick dip in the spillway water and flying low across the lake for about 50 feet to the other side.

The MacGillivray's Warbler stayed in the same general area and was seen on all but a few days from 25 October through 19 November 2003. Over 100 birders from 7 states saw and enjoyed this first Tennessee record, which was accepted as such by the Tennessee Bird Records Committee (Todd 2004).

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The Migrant 75 (2): 39-40, 2004

BLACK-NECKED STILTS IN DEKALB COUNTY, TENNESSEE

JUDY C. FUSON
855 Student's Home Road
Smithville, TN 37166
and
CAROL D. WILLIAMS
3909 Cookeville Highway
Smithville, TN 37166

On a small farm pond adjacent to Vaughn Lane 2.7 km east of Rt. 56 near Smithville, DeKalb County, Tennessee, Judy C. Fuson located 2 Black-necked Stilts (*Himantopus mexicanus*) 8 May 2004 at approximately 1315 CDT. Carol D. Williams joined her within 20 minutes to observe and photograph the birds. Viewing conditions were excellent since the pond immediately adjoined the road, and

Figure 1. Black-necked Stilts foraging in a DeKalb County farm pond on 8 May 2004. (Photo by C. Williams)

the birds were within 8–10 meters of each observer during the initial 30-minute viewing period. Fuson, using Zeiss 10X30 binoculars and an Olympus C750 Ultra-zoom digital camera, observed and photographed from her vehicle without apparent disturbance to the foraging stilts. Williams, using Zeiss 10X56 binoculars and a Sony Mavica FD 95 digital camera with a 2X tele-converter lens, took multiple photographs (Figure 1) and short video sequences. The stilts were last observed that day at approximately 1700; they were not sighted on subsequent days.

We identified the birds as mature Black-necked Stilts based on comparison with field marks in *The Sibley Guide to Birds* (Sibley 2002): black on white coloration; long red legs; long, thin black bill; white supercilium. Dark brown on the mantle of one stilt distinguished it as a female. Both birds were much larger than nearby Killdeers (*Charadrius vociferous*) and Solitary Sandpipers (*Tringa solitaria*) at the same pond.

This sighting represents the first record for DeKalb County, as well as for the Upper Cumberland Region of Kentucky and Tennessee, and is only the third sighting east of the Tennessee River in Tennessee although the species regularly breeds along the Mississippi River in West Tennessee (Nicholson 1997). Only one previous occurrence of this shorebird has been recorded in Middle Tennessee and one in East Tennessee: one stilt appeared 2–4 November 1985 at the Cumberland City Steam Plant, Stewart County, following the passage of Hurricane Juan (Robinson 1990); and one was sighted 1 August 1985 at the Eagle Bend Fish Hatchery, Anderson County (Robinson 1990).

ACKNOWLEDGMENTS

We thank Stephen J. Stedman for his support and guidance of the Upper Cumberland birding community and his encouragement and suggestions in the writing of this note.

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The Migrant 75 (2): 41-50, 2004

MINUTES OF THE 2003 FALL TOS BOARD MEETING

The Fall meeting of the Tennessee Ornithological Society was held on 4-6 October 2003 at Warner Park Nature Center, hosted by the Nashville chapter. Field trips were offered to the following locations: Radnor Lake, Cheatham County, Shelby Bottoms, the Natchez Trace Parkway, and Percy Priest Lake Area.

The meeting of the TOS Board of Directors was called to order by TOS President Virginia Reynolds. Donna Ward, Recording Secretary, reported a quorum present. President Reynolds expressed appreciation to Chuck Nicholson for the informative paper session and to the Nashville chapter for hosting the meeting.

REPORTS FROM VICE-PRESIDENTS:

East Tennessee: No report.

Middle Tennessee: No report.

West Tennessee: Dick Preston commented on the management plans of the Fish and Wildlife Service regarding wildlife refuges. He stated the importance of individuals reviewing the draft plans of the Fish and Wildlife Service regarding the management plan for neotropical migrants.

READING OF THE MINUTES: Carolyn Bullock made the motion that the Directors dispense with the reading of the Minutes. The vote of the Directors was unanimous to accept the motion.

TREASURER'S REPORT: Chris Sloan, Treasurer, distributed copies of the TOS "Statements of Financial Position" and "Statements of Activities" (Tables 1 and 2).

Table 1. TOS Statement of Financial Position for periods ending 12/31/2002 and 9/30/2003

Period ending	**12/31/2002**	**9/30/2003**
Assets		
Checking/Savings	$20,875.98	$9,675.62
Other Current Assets	$190,420.03	$207,814.06
Other Assets	$0.00	$0.00
Total Assets	$211,296.01	$217,489.68
Liabilities		
Accounts Payable		$6.45
Total Liabilities		$6.45
Net Assets		
Net Assets	$211,050.73	$211,050.73
Change in Net Assets	$245.28	$6,432.50
Total Net Assets	$211,296.01	$217,483.23
Total Liability and Net Assets	$211,296.01	$217,489.68

Sloan has advised the Morgan Stanley representative to give him a recommendation for placing the board investments in a portfolio that would preserve the capital and generate as much cash as possible, with the idea that the cash would fund the

Table 2. TOS Statement of Activities for the periods 1/1/2002 - 12/31/2002 and 1/1/2003 - 9/30/2003

Period	1/1/02-12/31/02	1/1/03-9/30/03
Income		
Support and Revenues		
401000 - Individual contributions	$110.00	
409999 - Corporate & foundation grants	$4,000.00	
422000 - Corporate & foundation grants: Foun	$2,000.00	
425000 - Corporate & foundation grants: Other	-$45.00	
512000 - Program service fees: Subscription	-$210.00	$165.00
515000 - Program service fees: Merchandise		$74.50
531000 - Dues & membership fees	$8,909.91	$8,422.00
542000 - Investment income: dividends & int.	$20,987.57	$944.83
553000 - Rental & royalty income: Royalty		$25.74
579999 - Realized & unrealized gain (loss		$417.55
581000 - Realized & unrealized gain (loss: Cha	-$7,343.33	$1,092.02
591000 - Realized & unrealized gain (loss: Pro	$260.30	$250.23
681000 - Other revenue: Other revenue	$807.79	
Total Support and Revenues	$26,714.45	$14,154.66
Total Income	$26,714.45	$14,154.66
Expenses		
Program Services		
Conservation & Research Fund	$7,660.00	$4,000.00
The Migrant	$10,390.07	$4,876.80
The Tennessee Warbler	$2,257.54	$2,941.66
TOS Web Site	$454.30	$239.60
Total Program Services	$20,761.91	$12,058.06
Supporting Services		
Management & General	$243.29	$773.35
Total Supporting Services	$243.29	$773.35
Other		
Unclassified	$0.00	$0.00
Unrestricted: Program Services	$300.00	$300.00
Total Other	$300.00	$300.00
Total Expenses	$21,305.20	$13,131.41
Changes in Net Asset:	$5,409.25	$1,023.25

operation of *The Migrant* and actually generate a surplus above that. He stated that the organization has a Tax I.D. number, and that some chapters have their own tax I.D. numbers. Sloan expressed the need for tracking the Conservation and Research Fund money in order to figure the balance of the account. All other cash for operating purposes would be kept in the operating checking account. He stated that he plans to appoint a Membership Chairman.

REPORT FROM THE CURATOR: Chuck Nicholson, curator, noted that Ron Hoff has most issues of *The Migrant*, and he has some fairly recent copies. President Reynolds suggested that if members have no room for back issues of *The Migrant*, they bring them to the state meeting and give them to the curator to fulfill future requests for back issues.

EDITOR OF *THE MIGRANT*: President Reynolds stated that it is important to send articles to Chris Welsh, editor of *The Migrant*.

THE TENNESSEE WARBLER: Theresa Graham, editor of *The Tennessee Warbler*, stated that she has had requests for the placing of ads in the newsletter. Wallace Coffey made the suggestion that any rate for an advertisement in the newsletter be based upon a cost per 1,000 copies that are sent out. Theresa noted that 31 October is the deadline for sending articles for the next issue.

STANDING COMMITTEE REPORTS:

President Reynolds reminded the Directors and members of their duties. She explained that any member of a committee who wishes to write a letter stating that this is the position of the TOS needs to meet three criteria:

(1) The issue must deal with Tennessee or be an issue of national importance that will impact Tennessee,

(2) It must be non-controversial, and

(3) It must represent a stand that has been taken by the TOS by its Board of Directors.

If any communication does not meet these criteria, it needs to be brought before the Board of Directors or at least the executive committee before sending the communication. Ken Dubke suggested that the criteria for sending communications be placed in the "President's Message" in the newsletter.

NOMINATION COMMITTEE: Richard Shaw of the Nominating Committee stated that he will present a slate of officers at the spring meeting.

BIRD RECORDS COMMITTEE: Chris Sloan noted that it is time to elect a new secretary for the Bird Records Committee, and that there are two vacancies on the committee. President Reynolds stated that she will communicate with Mark Green, present secretary of the committee, regarding a list of nominees for membership on the Bird Records Committee.

CONSERVATION AND RESEARCH FUNDING COMMITTEE: President Reynolds listed the following members of the Conservation and Research Funding Committee:

Dev Joslin – East Tennessee
David Pitts – West Tennessee
Charlie Muise – East Tennessee
Joel Keebler – Chattanooga Chapter
Linda Zempel – West Tennessee
Chuck Nicholson – Acting Chairman of the Committee

CONSERVATION POLICY COMMITTEE: Dick Preston commented that the TOS organization is a member of the American Bird Conservancy's Policy Council. He noted that Melinda Welton, Chairperson of the Conservation Policy Committee, will be addressing the Policy Council on 13 November, and she asked that if anyone had any comments, suggestions, or recommendations to contact her prior to that time. Dick said Melinda has expressed that the TOS has been asked to join the TWRA in the search for a suitable candidate to replace Troy Ettel as state ornithologist. Chris Sloan expressed that the TOS has the option of sending two delegates to the Conservancy Council. President Reynolds stated that she would like to serve as second delegate to the Council. Dick stated all major actions of the Conservation Policy Committee should be described in *The Warbler* or at least on the TOS website. Dick asked what the goals and policies of our organization are. President Reynolds read the following purposes of the TOS:

- To promote the science of ornithology in Tennessee,
- To publish the results of its investigation,
- To stand for the passage and enforcement of wise and judicious laws for bird protection, and
- To promote bird study and protection by any means that may from time to time be deemed advisable.

President Reynolds stated that she signed a letter for one issue under the Conservation Policy Committee, and that it concerned the water levels in the Tennessee River.

FINANCE COMMITTEE: President Reynolds asked that if anyone is interested in serving on the finance committee, please contact her.

OLD BUSINESS

POSTING OF BACK ISSUES OF *THE MIGRANT* ON THE TOS WEBSITE: Chuck Nicholson explained that the cost of placing the back issues of *The Migrant* on the TOS website would be approximately $12,000. He has been working with a company that could refine that estimate. Chuck noted that the TOS website is receiving about 135 visitors a day and four or five e-mails per week.

ELECTRONIC DISTRIBUTION OF *THE WARBLER*: President Reynolds expressed that if members are interested in electronic distribution of the newsletter, it might result in a substantial savings to the organization. Anyone who wishes to receive the newsletter electronically will need to contact their local chapter and have them send e-mails or send their requests to Treasurer Sloan. This information will appear in *The Tennessee Warbler*, giving members the option of receiving the newsletter electronically.

NEW BUSINESS

MEMBERSHIP IN THE CUMBERLAND ALLIANCE: Dev Joslin talked to the Directors about the TOS joining the Alliance to Protect the Cumberlands and made the motion that TOS join the Alliance. The motion was seconded by Wallace Coffey. The vote of the Directors was unanimous to adopt this resolution.

JUNE FORAY IN EAST TENNESSEE: President Reynolds expressed that David Trently suggested that a foray be held in early June in east Tennessee. She stated that David asked whether members wanted to have the foray on 7-9 June in Polk and Monroe Counties. Laurie Mooney asked what a foray consists of, and President Reynolds described a foray in the following terms: Someone has a map of the county. It is divided among the birders who are there using grids. People are assigned to areas, and they look for breeding birds in the area.

ROTATION OF TOS PRESIDENTS: There is a section of the Constitution under "Nominating Committee" that states "that the president-elect will be chosen from the grand division whose turn it is to assume the presidency." It has been suggested that we no longer rotate the presidency. This change would require a change in the Constitution. President Reynolds' recommendation is that if anyone feels that this policy needs to be changed, they propose an amendment to the Constitution and bring it before the Board at the annual meeting. If it passes, it would be brought before the membership-at-large and voted on.

OTHER BUSINESS

Wallace Coffey noted that Dr. George Mayfield is seriously ill. Wallace expressed that there has been discussion about obtaining a recording made of Mayfield's reflections on the TOS since his father helped to found the organization in 1915. Chuck Nicholson made the motion that we elect Dr. Mayfield an honorary member of the TOS. The vote of the Directors was unanimous to adopt this resolution. Dev Joslin made the motion that the TOS contribute $500.00 to Friends of South Cumberland in Dr. Mayfield's honor. Joanne Routledge seconded the motion. The vote of the Directors was unanimous to adopt this resolution.

President Reynolds announced that the winter meeting will be held at Pickwick State Park 8-9 January and that it will be an informal meeting. She noted that the annual meeting will be 30 April – 2 May in Chattanooga.

Wallace Coffey made the motion that the TN-Birds state listserver be placed under the TOS. Chris Sloan made the motion that Coffey remain as moderator of the state listserv. The vote of the Directors was unanimous to adopt these resolutions.

President Reynolds made the motion that the TOS purchase 40 copies @ $10.00 a copy of the book *An Annotated Checklist of the Birds of Tennessee* by John Robinson and that the retail price be determined by the president. She suggested that any unsold copies be donated to schools. The motion passes by a vote of 19-7 by the Directors.

The motion was made to adjourn. The motion to adjourn was accepted.

Donna Ward, Recording Secretary

FALL 2003 MEETING: SCIENTIFIC PROGRAM

SANDHILL CRANE MOVEMENTS AND BEHAVIOR IN THE HIWASSEE REFUGE AREA, TENNESSEE

David Aborn
University of Tennessee, Chattanooga

Numbers of eastern Greater Sandhill Cranes (*Grus canadensis*) staging and overwintering at the Hiwassee Wildlife Refuge in eastern Tennessee have increased over the last 30-40 years. Today, as a result of crop planting for waterfowl, as many as 14,000 cranes can be found at the refuge between October and March. The increase in crane numbers has led to a large increase in birdwatchers coming to view the cranes, and has also increased the cranes' use of nearby agricultural and residential areas when conditions at the refuge become too crowded. In order to make proper management decisions, information is needed on the cranes' length of stay, migration patterns, and behavior at the refuge. I have been studying the cranes to achieve several goals. First, the behavioral and movement information gathered from crane observations can aid management decisions by giving refuge personnel a better idea of preferred areas of the refuge, dietary preferences, carrying capacity, etc. By understanding the cranes' use of the refuge, human/crane conflicts could be avoided or alleviated by keeping the birds on the refuge as much as possible, or by facilitating their continued migration. Second, the information is important for determining whether the cranes' migration is being prematurely halted. Juvenile cranes learn the migration route from their parents, and if the adults are spending the entire winter at Hiwassee instead of continuing to Florida, then young cranes will be learning an incomplete migration route. When the young cranes raise chicks of their own, they will teach the new generation to stay the winter at Hiwassee, and so on. The result would be a new population of cranes that spends the winter well north of their usual range, and would continue to increase the crane population in east Tennessee. Last, the data will add to our knowledge of eastern populations of Sandhill Cranes, which are not as well known as the mid-continental and Rocky Mountain populations.

AUTUMN BIRD BANDING ON ROAN MOUNTAIN, TENNESSEE/NORTH CAROLINA

Rick Knight
Johnson City, TN

As a means of monitoring the fall migration, I have operated a small banding station at Carver's Gap on Roan Mountain for six out of the last eight years. An average of about 600 birds of 40 species have been captured and banded per

autumn season as migrants pass through this high mountain gap. The most frequently captured species are Tennessee and Black-throated Blue Warblers (*Dendroica caerulescens*), Swainson's Thrush (*Catharus ustulatus*), and Dark-eyed Junco (*Junco hyemalis*). Most of the birds caught are Neotropical migrants.

THE USE OF RECLAIMED SURFACE MINES BY GOLDEN-WINGED WARBLERS IN THE CUMBERLAND MOUNTAINS OF TENNESSEE

LESLEY P. BULLUCK
University of Tennessee, Knoxville

The loss of early succesional habitat has contributed to population declines in Golden-winged Warbler (*Vermivora chrysoptera*) as well as other disturbance dependent species. During the last half-century, extensive mining activity in the Cumberland Mountains of Tennessee has created an abundance of suitable breeding scrub-shrub habitat for the Golden-Winged Warbler. These patches of early-successional habitat are located within a matrix of nearly 2 million acres of contiguous forest supporting numerous forest interior birds. The objectives of my doctoral research focusing on the Golden-winged Warbler are threefold: 1) to determine the spatial extent of the Golden-winged Warbler population in this region, map this distribution and compare characteristics of occupied and unoccupied surface mines in order to better manage for the persistence of this species; 2) to determine the breeding productivity (nest success), return rates, and genetic similarities/differences of this population as compared to nearby populations of this species in the southeast; and 3) to determine the importance of reclaimed surface mines as post-breeding habitat for all species of breeding birds that inhabit the Cumberland Mountains.

RARE WINTERING AND BREEDING GRASSLAND BIRDS AT FORT CAMPBELL, KENTUCKY/TENNESSEE

DANIEL MOSS
Fort Campbell, KY
and
JAMES J. GIOCOMO and DAVID A. BUEHLER
University of Tennessee, Knoxville

Fort Campbell has one of the most extensive remnant patches of native warm season grasslands remaining in the eastern United States. The area, originally part of the "barrens" region, was chosen for its open landscape as an ideal location for airborne military training. Prescribed burning and military training have continued to keep fields open and provide excellent habitat for disturbance-dependent birds. Consequently, many species of rare and declining grassland and shrubland birds are using military training lands for breeding and wintering habitat.

Bachman's, Grasshopper, Henslow's and Lark Sparrows (*Aimophila aestivalis, Ammodramus savannarum* and *henslowii, Chondestes grammacus*), Rough-legged Hawk (*Buteo lagopus*), Sedge Wren (*Cistothorus platensis*), and Short-eared Owl (*Asio flammeus*) have all been documented on Fort Campbell. Bell's Vireo (*Vireo bellii*), Bobolink (*Dolichonyx oryzivorus*), and Upland Sandpiper (*Bartramia longicauda*) use the grasslands during migration. An accidental White-tailed Kite (*Elanus leucurus*) appeared in one of the native grassland drop zones for 5 days in April 2003. Several species are nesting on Fort Campbell outside their known breeding range (Henslow's Sparrow, Northern Harrier (*Circus cyaneus*), and Sedge Wren), which provides another indication of the uniqueness of the habitat. Research conducted by the University of Tennessee indicates Fort Campbell is a significant refuge for many grassland bird species leading to its designation as a globally Important Bird Area by the American Bird Conservancy. The Department of Defense has teamed with Partners in Flight and is an important ally in the conservation of migratory and resident birds and their habitats.

CENSUS DATA ON THE INTERIOR LEAST TERN (*Sterna antillarum athalassos*) IN THE LOWER MISSISSIPPI RIVER VALLEY, 1985-2003

KEN JONES
Dyersburg State Community College, Dyersburg

This presentation will review the past and current population trends of the Least Tern as reflected in the U.S. Army Corps of Engineers' surveys that were started in 1985. Following a brief history of events that led to the terns being listed as endangered, census methods, Least Tern behavior (including courting, nesting, foraging, mobbing, etc.), habitat requirements, predation and other potential threats to the population will be discussed.

BREEDING GRASSLAND BIRD POPULATION DYNAMICS AT FORT CAMPBELL MILITARY RESERVE, KENTUCKY/TENNESSEE

JAMES J. GIOCOMO and DAVID A. BUEHLER
University of Tennessee, Knoxville
and
DANIEL MOSS
Fort Campbell, KY

Fort Campbell Military Reserve, located on the border of Kentucky and Tennessee, has maintained an estimated 10,000 ha of native grasslands. Military exercises at Fort Campbell include airborne training, ground-based infantry, light-mechanized training, and various artillery range exercises that require open lands. Native grasslands provide ideal conditions because they are durable, provide greater visibility,

and can be effectively managed with fire. Providing suitable conditions for training activities coincidentally provides excellent habitat for grassland birds. Between 1999 and 2003, we monitored nesting success of 114 Henslow's, 131 Grasshopper, and 260 Field Sparrows (*Ammodramus henslowii*, *A. savannarum*, and *Spizella pusilla*), 192 Dickcissels (*Spiza americana*) and 76 Eastern Meadowlark (*Sturnella magna*) nests. Minimum population estimates on the accessible areas of the base include ~150 pairs of Henslow's, ~150 pairs of Grasshopper, and >200 pairs of Field Sparrows, Dickcissels and Eastern Meadowlarks. Using basic yearly demographic information including nesting and hatching success, clutch size and number of broods per season, we modeled population trajectories to determine if our populations were source or sink populations. The factors that determine source/sink dynamics for these species will be discussed.

THE SIAN KA'AN BIRD MONITORING PROJECT: TENNESSEE EXPANDS ITS BIRD CONSERVATION EFFORTS TO MEXICO

GREG WATHEN
Tennessee Wildlife Resources Agency, Nashville
and
DAVID A. BUEHLER
University of Tennessee, Knoxville

In the fall of 2002, the Tennessee Wildlife Resources Agency was awarded a grant under the auspices of the Neotropical Migratory Bird Act (NMBA) to achieve three primary objectives: 1) Restore and enhance 3,850 acres of grassland and scrub-shrub habitats for priority migratory birds in middle and western Tennessee on private lands; 2) Determine the landscape characteristics of private lands habitat projects necessary to benefit priority grassland/scrub-shrub birds, and; 3) Initiate a neotropical migratory bird monitoring program at the Reserva de la Biosfera Sian Ka'an, Quintana Roo, Mexico. The bird monitoring program in Mexico is the smallest part of this project, but has generated great energy and enthusiasm among the partners. In January 2003, the partnership was expanded to include the provincial government of Ontario, Canada, through a grant from the Commission on Environmental Cooperation (CEC). The partners met in Sian Ka'an in February 2003, to hold a workshop on bird monitoring, to discuss bird monitoring needs at Sian Ka'an, and how to establish a monitoring program at the Reserve. In October of this year, a training workshop on bird monitoring techniques will be held with Sian Ka'an staff, area guides, and other volunteers, to begin the process of establishing a formal bird monitoring program on the Reserve. This presentation will discuss the Sian Ka'an Bird Monitoring Project, and potential opportunities for Tennesseans to participate as volunteers in this program.

FALL BIRD BANDING AT WHIGG MEADOW, CHEROKEE NATIONAL FOREST, MONROE COUNTY, TENNESSEE

David F. Vogt
Tennessee Aquarium, Chattanooga

Bird banding activities have been conducted at Whigg Meadow, Cherokee National Forest, Monroe Co., TN from 1998 through 2002. The study area is located on a clearing at 1495 m elevation surrounded by mixed oak/beech forest. Nine, 12-m mist nets have been operated during several days in September during each year for a total of 58 days and 3676 net hours. During the five-year period, 3691 individuals of 60 species have been banded. The capture rate for the five-year period was 100.4 birds/100 net hours. Yearly capture rates have ranged from a low of 38 birds/100 net hours in 1998 to 225 birds/100 net hours in 2003. The most frequently banded species were: Tennessee Warbler (*Vermivora peregrina*) with 1365 banded (36% of all individuals banded), Dark-eyed Junco (*Junco hyemalis*) 480 (13%), Swainson's Thrush (*Catharus ustulatus*) 405 (11%), Black-throated Blue Warbler (*Dendroica caerulescens*) 220 (6%) and, Magnolia Warbler (*Dendroica magnolia*) 145 (3%).

EFFECTIVENESS OF NATIVE GRASSLAND RESTORATION IN RESTORING GRASSLAND BIRD COMMUNITIES IN TENNESSEE

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Grassland bird populations have declined more than any other group of birds over the last 35 years, according to Breeding Bird Survey (BBS) data. In Tennessee, significant effort is underway to restore native grasslands through partnerships between the Tennessee Wildlife Resources Agency, Natural Resources Conservation Service, private landowners, and other state and federal agencies. While this partnership has planted tens of thousands of acres of native grasslands, the response by grassland birds remains largely unknown. Furthermore, the restoration has proceeded on an opportunistic basis, with emphasis on willing landowners, rather than conducting the restoration where wildlife benefits might be maximized. The objective of this project is to complement the ongoing restoration effort by evaluating the effectiveness of these restored grasslands for supporting viable grassland bird populations. Data provided will allow modification of the grassland restoration program, if necessary. Through this research we expect to increase the effectiveness of the restoration effort, thus ultimately increasing the viability of grassland bird populations in the region.

The Migrant 75 (2): 51-54, 2004

IN MEMORIAM: DR. GEORGE RADFORD MAYFIELD, JR.

On 18 August 1927, George Mayfield was practically born into the Tennessee Ornithological Society. The society had been founded only 12 years earlier by his father, George Sr., and four friends who shared an interest in organizing the study of birds in Tennessee. His mother, Lillie Hasslock Mayfield, was the first woman "permitted" to be a member of the society and served as its second secretary after her husband left for France during World War I.

George came by his interest in the outdoors and conservation through many other avenues. His mother taught high school biology for many years at the old Turner School, at Hume Fogg High School, and finally at Hillsboro High. Among her students were TOS notables Ben Coffey and Vernon Sharp. His father, in addition to being a TOS founder, served as a member of the Tennessee Conservation Commission and played a role in the establishment of Great Smoky Mountains National Park.

His father also was one of the first birders to use sound to identify birds. Sound was a very important part of George's life. He used it to identify birds, and he was

George Mayfield in 2001 with wife Cleo and grandkids Auralee (on lap) and Lillie at Big Bald Mountain, Unicoi County, TN, one of George's favorite places and the site of his long-term banding station.

also an accomplished tenor singer and soloist. He joined the choir at West End United Methodist Church in 1942 and studied voice under the choir director, John Allyn Lewis. He later became the tenor soloist for the church and sang the tenor solos from Handel's "Messiah" three times. During a later time, he served as the tenor soloist with the Seattle Philharmonic Symphony in performances of Puccini's "Missadi Gloria" and "Hora Novissima" by Parker. He also sang in "The Mikado." His musical talents led him to meet Cleo Gillund at a rehearsal of Handel's "Messiah" in Charleston, WV during his fourth year of pathology residency. They were married in July of 1960.

George graduated from Peabody Demonstration School (now University School of Nashville) in 1944. He then attended Vanderbilt University and graduated Magna cum Laude in 1950. He served two of those years in the US Army as an artillery officer in Japan, where he learned to ski under the tutelage of a man he referred to only as "Big Bear." He returned to Vanderbilt and went on to medical school there, graduating in 1954. While in medical school, he was inducted into Alpha Omega Alpha honorary scholarship fraternity. He then spent two years in Seattle, WA, in 1955-56, in internship and residency in pathology. While there he enjoyed skiing and salmon fishing. From there he moved back to Vanderbilt where he finished two more years of residency, and then it was on to Charleston, WV. His interest in watching birds was rekindled by regularly hearing Swainson's and Golden-winged Warblers calling in the hollows near his home there. He joined the Brooks Bird Club, participated in many of their forays and outings, and made many lasting friends who much later taught him bird banding technique.

After he married Cleo, they moved back to Tennessee and settled in Columbia, where George began a career there as the first pathologist at Maury County Hospital. During his pathology tenure, he served as a president for the American Pathology Foundation and a delegate to the College of American Pathologists. He also served as a deputy chief medical examiner for Tennessee. He was an airplane pilot and served as the pathologist for several hospitals in the middle Tennessee area, using the plane as a means of commuting to these hospitals.

His piloting skills came in handy doing waterfowl surveys for bird counts. Many friends flew with him as he *closely* searched the lakes and ponds around Columbia. He began doing Christmas and spring bird counts in the area and recruited several friends to join him. This led to the founding of the Columbia chapter of the TOS. George was chapter president several times and also served as state president of TOS from 1968-70. During his tenure, Ken Dubke initiated fall seminar meetings and the society began sponsoring breeding season forays into areas of Tennessee that had historically received little attention from ornithologists. The first fall seminar meeting was held at Holiday Hills Resort near Crossville and it was agreed that future meetings would be held near the center of Tennessee and the I-40 corridor for the convenience of the greatest number of TOS members. The first foray was in Campbell County. The last meeting George presided over was at Mammoth Cave and was a joint meeting with Kentucky OS.

In later years, George obtained a master bander permit from the bird banding laboratory. There were many days spent banding, and he loved this endeavor. He banded in many locations — his home, his friends' homes, in the hills and hollows in and around Columbia, and on his property in Lewis County near the Natchez Trace. In the late '70s he began what would become a long term banding effort on Big Bald Mountain in Unicoi County, Tennessee. The 2004 season was the 25th year of its operation. George laid the foundation for this work and loved being at his mountain home in North Carolina for September. He became an authority on many of the fall warblers that migrated through the area, especially the Tennessee Warbler — he supervised the banding of thousands of them over the 23 years he was able to be there.

George's many contributions to birding in the Columbia area and in Tennessee were honored several years ago through the renaming of the Columbia Chapter to the Mayfield-Gray chapter. He also was awarded the TOS lifetime service award which was presented to him by Wallace Coffey and other birding friends at his bedside during the last years of his battle with cancer.

At his memorial service, George was referred to as one who really cared about how others were treated. His employees from Maury County Hospital commented how often he was willing to go to bat for them with the administration. He was known for always stopping to give hitchhikers a ride. He was a staunch defender of wildlife and a conservationist, writing numerous letters to his congressmen and political leaders across the country.

He was a good father who fostered an appreciation for the outdoors in his children and many of their friends through Sunday afternoon hikes and picnics in Lewis County along Swan Creek and the Natchez Trace, camping trips to places like Primm Springs, a family favorite, and hikes on the Appalachian Trail. You could never go to any of his favorite beauty spots without taking a few minutes (or hours!) to gather all the trash that had accumulated since his last visit. He also took his family to places in the northwestern United States, his favorite part of the country aside from the hills and mountains of our own state and western North Carolina. Wherever he went on these outings, he paddled canoes, fished, and backpacked, while tracing the nation's history, both natural and human. You couldn't help but be affected by his thorough understanding of the travails of Lewis and Clark on their journey across the unexplored west. He vicariously relived their adventures in his own canoe and on foot. He regularly canoed on the Buffalo and Duck Rivers in middle Tennessee and introduced his family to whitewater paddling on the rivers of what is now the Big South Fork National Recreation Area. He championed the salvation of wild rivers from the rampant damming which occurred throughout his lifetime. He was deeply affected by the creation of Percy Priest Lake which eliminated his boyhood summer home on the Stones River where his parents had fostered in him an intense appreciation of natural beauty.

George was a good friend to many in the TOS, and he will be missed. He is survived by his wife, Cleo, of Columbia; two sons, George, III (Rad), and Mark; and a daughter, Rebecca. He also has 6 grandchildren, five girls and one boy.

I want to add just a few lines of some more personal items. First I want to say thanks to my mom, Cleo, and Mark and Rebecca for helping me write this memorial. I remember so many wonderful experiences (and I do mean EXPERIENCES!) related to birding with my father, as I am sure many of you do. I still remember how proud I was to go to TOS meetings with him as a child. Everybody knew him, and he loved the organization and the people whom he considered his friends. Those people are too many in number to thank personally for all the memories I have of him that they helped to create, so I will just say thank you from myself and my family for being our extended family and for being his friends. I know how important you and the TOS were to him. His passion for TOS was evidenced in his uncanny ability to remember names, and I was always aware of his conscious effort to acknowledge everyone, from the neophyte birders to the patriarchs of the society. I think if he could give any advice to you all, it would be to always make sure you enjoy your bird watching endeavors as he did. I know he would say to all of you, "Thanks for the memories!" I know I do!

God Bless! Rad Mayfield.

The Migrant 75 (2): 55-70, 2004

THE 2003 TENNESSEE CHRISTMAS BIRD COUNTS

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The 2003 Tennessee Christmas Bird Count season tallied 163 species (Table 1). This was 8 more than last year. Four-hundred and fifty-four observers logged 1,493 party hours. Nearly 657,000 individual birds were reported for a ratio of almost 440 birds per party hour. The total number of individuals was down from last season as a couple of counts did not record huge blackbird roosts that were found last year. Nineteen species were represented by a single individual. A Vermilion Flycatcher on the Reelfoot count was probably this year's most unusual species. It was found a few weeks earlier and was seen on count day. Knoxville birders were not so lucky, as a Sage Thrasher (a first state record) that had been spending the winter in the count circle could not be found on count day and went in the table as a "cw" (seen during count week but not on count day). To make up for that a bit, Knoxville produced a Ruby-throated Hummingbird, an unusual species in Tennessee in the winter, that was seen on count day and later identified. A few other unusual species for the count were American Bittern, Golden Eagle, Lesser Black-backed Gull, Forster's Tern, Blue-winged Warbler, Northern Waterthrush, Yellow-breasted Chat, and Bobolink. The weather was varied as usual, ranging from temperatures below freezing all day for Columbia and Cookeville to a balmy 74° F in Savannah. Many counts experienced gusting winds and a couple of counts had snow either on the ground or in the air.

COUNT SUMMARIES

BRISTOL (36° 35′ N, 82° 06′ W) – 28 Dec. 2003; 0700-1730. Weather: cloudy all day with no precipitation or wind; 27-53° F. This is Northeast Tennessee and Southwest Virginia's oldest CBC, begun in 1931. The species total was seven short of the record high of 89 in 1998. The total number of individuals was only about half of the previous 10-year average. Black-crowned Night-Heron, Snow Goose, Yellow-bellied Sapsucker (tie), Palm Warbler, and Savannah Sparrow all set or tied high totals for this count. House Sparrow tied an all-time low. Notable misses were Eared Grebe and Bonaparte's Gull. Observers: Rob Biller, Ron Carrico, Wallace Coffey, Rack Cross, Marion Finucane, Bill Grigsby, Bert, Lindzey and Loraine Hale, Andy Jones, Richard Knight, Richard Lewis (compiler: 407 V.I. Ranch Rd., Bristol, TN 37620; mountainbirds@email.com), Vickie Lewis, Janice Martin, Larry McDaniel, Tom McNeil, Dexter Newman, Mike Poe, Bob Quillen, Ruth Smith, and Dave Worley.

BUFFALO RIVER (35° 18′ N, 87° 28′ W) – 3 Jan. 2004. Weather: cloudy in the morning, turning partly cloudy in the afternoon; 64-70° F. Notable sightings included 16 Northern Harriers, a Merlin, American Woodcocks, Eurasian Collared-Doves, a Barn Owl, and 12 Loggerhead Shrikes. Observers: Dana Dodd, Chester

Table 1. Results of the Christmas Bird Counts conducted in Tennessee during the 2003-2004 Christmas Count period.

Species	Bris.	B.Riv	Cade	Chatt	Clark	Clay	Cook	Colum	CrsCrk	DeKalb	Eliz	Fay
Gr. White-fr. Goose	-	-	-	-	-	-	-	6	19	-	-	-
Snow Goose	5	-	-	-	-	-	3	23	14	-	-	-
Ross's Goose	-	-	-	-	-	-	-	-	-	-	-	-
Canada Goose	740	290	57	355	218	94	153	671	4495	18	148	57
Mute Swan	-	-	-	-	-	-	-	-	-	-	-	-
Tundra Swan	-	-	-	-	-	-	-	-	-	-	-	-
Wood Duck	-	-	-	6	2	7	11	11	12	-	-	23
Gadwall	30	-	-	283	-	5	41	79	4579	-	-	-
American Wigeon	9	-	-	2	-	1	-	2	400	-	-	-
Amer. Black Duck	8	-	-	8	-	1	5	5	757	2	-	-
Mallard	377	17	16	410	159	114	116	99	19166	112	71	77
Blue-winged Teal	-	-	-	-	-	-	-	-	-	-	-	-
Northern Shoveler	-	-	-	40	-	9	5	23	-	-	-	7
Northern Pintail	-	-	-	12	-	-	-	3	258	-	-	-
Green-winged Teal	3	-	-	72	-	8	5	15	340	-	2	-
Canvasback	-	-	-	2	-	-	1	-	-	-	-	-
Redhead	-	-	-	-	-	-	1	-	-	-	-	-
Ring-necked Duck	31	-	22	5	-	37	17	157	950	-	16	-
Greater Scaup	-	-	-	44	-	-	-	-	-	-	-	-
Lesser Scaup	3	3	-	255	-	4	1	1	-	-	-	6
Long-tailed Duck	-	-	-	6	-	-	1	-	-	-	-	-
Bufflehead	259	-	22	50	-	41	8	-	-	-	201	-
Common Goldeneye	1	-	-	97	-	-	-	-	-	-	-	-
Hooded Merganser	129	-	-	45	-	46	21	34	150	cw	1	2
Red-br. Merganser	-	-	-	-	-	-	-	-	-	-	3	-
Ruddy Duck	-	-	-	1	-	-	4	1	2	-	-	-
Duck sp.	-	2	-	-	-	-	-	-	-	-	-	-
Ruffed Grouse	-	-	9	-	-	-	-	-	-	-	-	-
Wild Turkey	7	15	8	4	381	92	-	18	8	1	3	-
Northern Bobwhite	-	7	-	-	12	3	-	2	-	-	-	4
Common Loon	15	-	-	72	-	38	-	-	-	24	5	-
Pied-billed Grebe	37	2	3	45	3	15	10	6	11	15	6	2
Horned Grebe	3	-	-	76	-	13	-	-	-	219	-	-
Eared Grebe	-	-	-	-	-	-	-	-	-	1	-	-
Amer. White Pelican	-	-	-	-	-	-	-	-	-	-	-	-
Dbl-crest Cormorant	-	-	-	4	-	-	-	6	3	-	-	-
American Bittern	-	-	-	-	-	-	-	-	-	-	-	-
Great Blue Heron	16	11	3	152	14	8	12	56	82	13	8	5
Cattle Egret	-	-	-	-	-	-	-	-	-	-	-	-
Blk-cwn Night-Heron	2	-	-	-	-	-	-	-	-	-	-	-
Black Vulture	19	33	8	125	91	208	157	45	22	150	-	105
Turkey Vulture	123	284	60	52	120	251	289	29	56	262	-	74
Vulture sp.	-	-	-	-	-	-	-	-	-	-	-	-
Osprey	-	-	-	-	-	-	-	2	-	-	-	-
Bald Eagle	1	1	-	9	-	8	-	2	2	2	1	-

GSMNP	Grne	Hk-Pr	HRim	Hiwa	Jack	Knox	Leb	Mem	Nash	Nick	Norr	Reel	Roan	Savh	ShVl	Warr	Total
-	-	-	-	2	-	cw	-	55	-	-	-	2109	-	-	-	-	2191
-	-	1	-	7	-	2	-	-	-	-	1	947	-	21	-	-	1024
-	-	-	-	1	-	-	-	-	-	-	-	3	-	-	-	-	4
-	45	293	240	325	-	772	130	445	116	78	270	1066	-	177	101	286	11640
-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	2
-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
-	13	2	-	2	2	7	-	12	-	4	-	38	-	19	-	5	176
-	13	126	14	46	55	25	35	121	148	180	4	108	-	-	-	30	5922
-	-	3	-	26	65	-	5	-	16	12	-	19	-	-	-	-	560
-	15	2	12	728	1	2	12	-	4	1	1	3	7	-	1	2	1577
126	57	269	600	1775	8512	253	141	300	153	37	65	14234	7	53	22	53	47391
-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	16
-	1	30	-	2	58	10	12	60	-	5	-	24	-	24	-	2	312
-	-	1	13	48	400	-	-	-	-	3	-	6	-	-	-	-	744
-	14	7	-	396	180	-	-	-	-	1	-	35	-	-	-	-	1078
-	-	-	-	1	-	-	-	-	-	60	-	17	-	-	-	-	81
-		-	-	1	-	-	-	-	-	3	-	8	-	-	-	-	13
-	2	7	6	26	355	45	-	152	192	162	29	120	-	9	-	18	2358
-	-	-	20	-	-	-	-	27	-	10	-	16	-	1	-	-	118
-	-	-	6	-	1	-	-	559	7	44	-	5283	-	12	-	cw	6185
-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	8
-	-	11	31	15	-	-	-	2	17	48	22	57	9	2	-	-	795
-	-	15	-	1	-	-	-	-	-	4	-	1	-	9	-	-	128
2	2	28	53	164	5	27	3	57	-	31	5	68	7	-	-	36	916
-	-	-	-	-	-	-	-	-	-	2	-	3	-	-	-	-	8
-	-	8	-	-	-	-	-	14	-	119	-	4705	-	1	-	-	4855
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
2	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	14
31	26	-	4	24	-	cw	-	19	26	15	1	1	-	33	16	-	733
-	20	-	1	6	-	-	-	10	8	-	-	-	-	14	-	1	88
-	-	122	35	-	-	-	-	-	-	1	9	9	-	7	-	-	337
-	4	55	5	14	3	22	32	13	3	286	3	48	2	49	-	10	704
-	-	64	200	-	-	5	-	2	-	7	1	30	-	9	-	-	629
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
-	-	1	18	78	-	19	176	209	-	91	-	5	-	1	-	-	611
-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
2	19	94	14	244	14	149	14	39	13	81	18	59	-	34	2	11	1187
-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
-	-	16	-	-	-	1	-	-	-	-	-	-	-	-	-	-	19
-	52	228	15	99	33	62	200	-	145	14	40	6	-	3	7	22	1889
9	73	5	2	92	123	63	6	cw	51	75	10	1	-	70	33	10	2223
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5
-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
-	-	-	3	15	-	1	-	2	1	3	1	63	-	8	-	-	123

Species	Bris.	B.Riv	Cade	Chatt	Clark	Clay	Cook	Colum	CrsCrk	DeKalb	Eliz	Fay
Northern Harrier	-	16	2	2	3	4	2	9	3	5	-	15
Sharp-shinned Hawk	2	1	2	5	3	2	1	2	2	-	2	7
Cooper's Hawk	2	-	-	7	2	1	7	10	1	4	2	1
Accipiter sp.	-	3	-	-	2	-	-	-	-	-	-	-
Red-shoulder Hawk	-	9	3	17	14	9	8	3	12	3	1	10
Red-tailed Hawk	18	24	3	33	16	16	35	40	14	43	1	33
Rough-legged Hawk	-	-	-	-	1	-	-	-	-	-	-	-
Buteo sp.	-	-	-	-	1	-	1	-	1	-	-	-
Golden Eagle	-	-	-	-	-	-	-	-	-	-	-	-
American Kestrel	18	32	1	12	16	48	32	22	9	32	9	17
Merlin	1	1	-	-	-	-	-	1	-	1	-	-
Peregrine Falcon	-	-	-	3	-	-	-	-	-	-	-	-
Virginia Rail	-	-	-	4	-	-	-	-	-	-	-	-
Sora	-	-	-	-	-	-	-	-	-	-	-	-
American Coot	32	-	6	74	1	7	32	3	75	13	-	-
Sandhill Crane	-	-	-	346	-	-	2428	-	-	-	-	-
Killdeer	19	65	2	73	4	86	49	42	142	100	6	89
Greater Yellowlegs	-	-	-	-	-	-	-	+	-	-	-	-
Lesser Yellowlegs	-	-	-	-	-	-	-	+	-	-	-	-
Least Sandpiper	-	-	-	-	-	-	-	-	-	-	-	-
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-
Wilson's Snipe	3	-	-	15	-	2	-	18	-	-	-	12
American Woodcock	-	3	-	1	-	1	-	2	-	-	-	-
Bonaparte's Gull	-	-	-	171	-	107	cw	-	15	7	3	-
Ring-billed Gull	241	-	-	3685	2	379	cw	8	401	146	30	-
Herring Gull	1	-	-	-	-	-	-	-	-	-	-	-
Lesser Blk-back Gull	-	-	-	-	-	-	-	-	-	-	-	-
Gull sp.	-	-	-	-	2	-	-	-	-	-	-	-
Forster's Tern	-	-	-	-	-	-	-	-	-	-	-	-
Rock Pigeon	144	75	-	752	268	367	237	135	-	142	214	6
Eurasian Collar-Dove	-	4	-	17	-	-	-	5	-	20	-	-
Mourning Dove	219	195	35	151	151	293	249	124	62	150	365	76
Common Ground-Dove	-	-	-	-	-	-	-	-	-	-	-	-
Barn Owl	1	1	-	-	-	-	1	1	-	-	-	1
Eastern Screech Owl	4	2	-	4	-	12	6	6	-	2	2	-
Great Horned Owl	6	1	-	5	1	2	5	11	-	2	4	4
Barred Owl	-	2	-	-	4	3	3	3	1	2	1	6
Short-eared Owl	-	-	-	-	-	-	-	-	-	-	-	-
Owl sp.	-	-	-	-	-	-	-	-	-	-	-	-
Ruby-th. Hummingbird	-	-	-	-	-	-	-	-	-	-	-	-
Rufous Hummingbird	-	-	-	1	-	-	2	-	-	+	1	-
Hummingbird sp.	-	-	-	-	-	-	-	-	-	+	-	-
Belted Kingfisher	16	20	6	16	14	11	5	14	6	10	7	4
Red-head Woodpecker	-	6	-	4	4	3	8	3	10	-	-	8
Red-bell. Woodpecker	20	12	19	38	68	38	69	23	31	50	17	56
Ylw-bell. Sapsucker	14	5	17	32	10	14	16	13	1	42	17	9
Downy Woodpecker	27	10	36	46	40	39	33	22	18	35	20	36
Hairy Woodpecker	8	12	5	1	10	11	5	6	6	9	3	11

GSMNP	Grne	Hk-Pr	HRim	Hiwa	Jack	Knox	Leb	Mem	Nash	Nick	Norr	Reel	Roan	Savh	ShVl	Warr	Total
-	6	-	3	3	3	-	-	3	2	1	-	15	-	19	-	4	120
3	2	2	2	3	1	2	1	4	1	1	2	4	-	3	2	2	64
2	8	7	3	9	3	4	1	4	4	1	2	2	2	3	2	1	95
-	-	-	-	-	-	3	-	-	-	-	-	-	-	1	-	1	10
1	-	8	2	16	12	8	-	11	6	12	9	9	-	14	1	2	200
11	20	19	19	30	44	30	3	70	53	19	11	57	1	42	8	23	736
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
6	28	11	9	13	31	15	3	29	23	6	11	25	-	15	3	39	515
-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6
-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	596	20	41	-	64	73	36	-	18660	1	16	-	34	-	11	19795
-	1	-	-	13951	-	6	-	-	-	2517	30	-	-	-	-	10	19289
13	92	32	45	182	1094	218	59	200	123	28	13	995	-	411	13	111	4306
-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	2
-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	5
-	-	-	12	17	-	-	-	387	-	-	-	26	-	-	-	-	442
-	-	-	-	19	-	-	-	2	-	-	-	-	-	-	-	-	21
2	5	4	-	20	20	6	-	14	1	-	2	67	-	19	-	-	210
-	-	6	-	1	-	-	-	-	-	3	-	2	-	10	-	-	29
-	-	-	8	272	-	373	-	31	-	-	49	377	-	70	-	-	1483
-	-	3032	134	484	-	2254	75	751	9	539	72	22248	-	708	-	-	35198
-	-	6	-	1	-	-	-	5	-	10	-	38	-	6	-	-	67
-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
218	235	149	6	12	827	396	16	644	324	173	201	19	-	191	12	80	5843
-	-	-	-	-	5	-	-	161	-	-	-	1	-	5	-	5	223
136	331	107	36	288	456	630	27	1027	191	95	242	360	19	183	173	71	6442
-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2
-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	8
-	-	-	3	4	-	1	-	-	2	14	1	3	-	1	4	3	74
-	1	2	3	2	1	2	-	2	3	10	-	6	-	5	6	-	84
1	-	3	4	2	2	1	-	2	3	3	1	15	-	5	4	-	71
-	-	1	-	-	-	-	-	-	-	-	-	3	-	2	-	-	6
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
-	-	1	-	-	-	4	-	-	-	-	2	-	-	-	-	-	11
-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
6	12	16	3	23	7	44	4	21	12	22	15	5	2	7	8	13	349
-	-	-	4	2	1	1	-	7	1	5	2	36	-	16	-	-	121
19	58	13	12	46	22	91	5	96	77	42	72	91	-	57	10	39	1191
31	10	17	1	28	3	40	4	37	42	43	41	20	1	21	5	6	540
25	31	31	7	41	25	84	10	84	83	27	73	65	3	41	22	16	1030
11	10	2	1	15	3	9	-	8	9	2	12	9	2	7	10	6	203

Species	Bris.	B.Riv	Cade	Chatt	Clark	Clay	Cook	Colum	CrsCrk	DeKalb	Eliz	Fay
Northern Flicker	21	19	7	27	18	34	44	15	20	44	18	59
Pileated Woodpecker	20	14	55	10	9	26	24	9	15	32	9	9
Eastern Phoebe	8	6	12	20	1	11	8	3	1	5	7	14
Vermilion Flycatcher	-	-	-	-	-	-	-	-	-	-	-	-
Loggerhead Shrike	2	12	-	-	-	-	-	3	-	1	-	2
Blue-headed Vireo	-	-	-	-	-	-	-	-	-	cw	-	-
Blue Jay	117	69	22	89	144	244	227	42	186	108	114	72
American Crow	551	505	140	164	384	343	259	112	767	157	292	106
Fish Crow	-	-	-	-	-	-	-	-	-	-	-	-
Common Raven	1	-	1	-	-	-	-	-	-	-	3	-
Horned Lark	-	6	-	10	10	40	-	15	-	21	-	27
Carolina Chickadee	123	79	145	173	132	114	100	45	58	85	103	62
Black-cap. Chickadee	-	-	-	-	-	-	-	-	-	-	-	-
Tufted Titmouse	48	96	41	83	72	61	97	45	40	81	67	27
Red-breast Nuthatch	-	-	3	-	-	-	-	-	1	-	2	-
White-breast Nuthatch	22	39	33	29	14	38	51	22	11	37	18	12
Brown-head Nuthatch	-	-	-	20	-	-	2	-	-	-	-	-
Brown Creeper	4	2	3	12	1	1	2	6	1	11	8	1
Carolina Wren	73	62	36	121	94	71	111	42	26	91	73	37
House Wren	-	-	-	2	-	-	1	1	-	-	2	1
Winter Wren	9	5	12	7	-	4	2	3	-	13	1	9
Sedge Wren	-	-	-	1	-	-	-	-	-	-	-	3
Marsh Wren	-	-	-	-	-	-	-	-	-	-	-	1
Gold-crown Kinglet	35	7	64	32	10	17	25	8	2	47	33	21
Ruby-crown Kinglet	17	5	19	74	2	4	8	6	5	25	10	12
Eastern Bluebird	108	212	44	110	105	113	143	63	112	160	71	106
Hermit Thrush	6	-	3	43	-	13	15	8	1	52	6	6
American Robin	211	300	219	602	1886	881	207	1285	12	1807	28	77
Gray Catbird	-	-	-	1	-	-	-	-	-	-	2	-
N. Mockingbird	98	48	1	119	83	29	110	49	15	48	51	33
Sage Thrasher	-	-	-	-	-	-	-	-	-	-	-	-
Brown Thrasher	-	3	1	29	1	7	16	1	2	2	2	7
European Starling	823	1555	29	4986	2239	2752	53527	1008	87	1187	562	237
American Pipit	-	6	-	27	31	-	38	15	-	200	-	51
Cedar Waxwing	88	72	63	769	338	488	222	6	100	80	277	72
Blue-winged Warbler	-	-	-	-	-	-	-	-	-	-	-	-
Orange-crown Warbler	-	-	-	2	-	-	-	-	-	-	-	1
Yellow-rump Warbler	96	48	11	186	111	281	304	90	55	526	110	47
Pine Warbler	1	1	-	9	-	-	-	-	1	-	-	6
Palm Warbler	7	-	-	6	-	-	4	-	-	-	1	-
Ovenbird	-	-	-	-	-	-	1	-	-	-	-	-
N. Waterthrush	-	-	-	-	-	-	-	-	-	-	-	-
Common Yellowthroat	-	-	-	-	-	-	-	-	-	-	-	-
Yellow-breasted Chat	-	-	-	-	-	-	-	-	-	1	-	-
Eastern Towhee	25	40	2	73	47	107	79	12	17	60	24	28
Amer. Tree Sparrow	-	-	-	-	-	-	-	-	-	-	-	-
Chipping Sparrow	7	-	2	123	16	15	7	-	-	14	-	6

GSMNP	Grne	Hk-Pr	HRim	Hiwa	Jack	Knox	Leb	Mem	Nash	Nick	Norr	Reel	Roan	Savh	ShVl	Warr	Total
12	26	28	5	40	22	60	1	103	45	23	27	89	-	49	10	16	882
35	13	2	1	16	4	8	1	13	26	26	31	29	1	11	18	11	478
10	5	2	1	17	1	8	-	9	10	21	6	4	1	11	6	4	212
-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
-	6	-	-	3	1	cw	-	3	-	1	-	15	-	-	-	3	52
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	cw
55	186	42	62	171	85	182	28	121	249	176	213	123	8	90	36	99	3360
154	211	110	582	389	589	513	22	76	672	214	240	168	36	683	715	152	9306
-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	3
6	-	-	-	-	-	-	-	-	-	-	-	-	3	-	9	-	23
-	40	-	2	-	331	-	-	89	14	-	-	770	-	470	-	-	1845
211	125	77	19	116	37	391	19	69	304	155	254	100	20	104	115	36	3371
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
112	79	25	18	85	31	171	18	48	212	121	168	73	10	67	59	36	2091
-	-	2	-	-	-	-	-	-	-	-	-	-	24	-	1	-	33
51	13	-	5	20	6	41	3	2	72	39	73	22	5	15	21	9	723
-	-	-	-	24	-	5	-	-	-	4	-	-	-	4	-	-	59
3	5	5	-	9	3	11	-	7	8	9	6	26	2	9	2	4	161
76	80	86	9	93	44	267	10	125	138	92	155	95	7	74	54	49	2291
-	-	1	-	5	-	-	-	2	1	-	1	-	-	-	-	1	18
10	5	3	3	22	7	12	-	11	3	10	16	31	-	16	1	5	220
-	-	2	-	-	-	-	-	1	-	-	-	1	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	4
47	12	28	2	51	21	28	-	18	18	24	75	44	9	60	19	5	762
33	21	19	1	71	6	36	-	47	17	82	52	54	-	61	2	5	694
41	202	44	60	149	98	307	17	51	172	182	223	47	4	277	47	108	3376
18	4	12	-	33	1	9	-	19	14	32	8	34	2	5	6	5	355
187	84	8575	20	1930	537	3186	250	1903	1729	785	433	100336	2	6185	27	105	133789
-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	6
27	91	54	21	60	27	174	10	97	134	39	71	30	1	46	13	58	1637
-	-	-	-	-	-	cw	-	-	-	-	-	-	-	-	-	-	cw
1	-	4	2	17	3	10	2	15	4	18	10	26	-	9	2	4	198
214	2006	11350	287	2632	10556	2443	1300	1811	1808	1322	2121	11890	204	6056	392	52774	178158
-	63	-	1	175	5	-	-	43	95	-	-	129	-	397	-	3	1279
30	4	157	71	812	105	1608	60	167	143	1012	647	84	-	470	64	66	8075
-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
-	-	1	-	-	-	1	-	3	-	-	-	2	-	-	-	-	10
31	168	227	10	626	50	564	32	69	113	256	260	2	-	255	13	130	4671
2	1	-	1	9	1	4	-	3	-	16	2	1	-	20	-	1	79
-	8	-	-	3	2	30	-	-	-	1	4	-	-	7	-	1	74
-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
17	26	21	4	62	4	118	16	29	58	61	69	13	9	45	13	37	1116
-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	8
-	34	-	1	62	-	3	1	4	-	93	90	5	1	132	-	4	620

Species	Bris.	B.Riv	Cade	Chatt	Clark	Clay	Cook	Colum	CrsCrk	DeKalb	Eliz	Fay
Field Sparrow	10	104	1	75	95	102	119	36	-	106	49	45
Vesper Sparrow	-	-	-	-	-	-	-	-	-	-	-	-
Savannah Sparrow	20	9	6	54	1	7	7	22	-	-	-	34
LeConte's Sparrow	-	-	-	-	-	-	-	-	-	-	-	-
Fox Sparrow	-	3	-	3	5	2	6	-	-	-	-	8
Song Sparrow	154	46	53	238	59	221	265	37	33	127	187	87
Lincoln's Sparrow	-	-	-	-	-	-	-	-	-	-	-	-
Swamp Sparrow	8	4	10	31	22	53	64	24	4	13	19	26
White-throat Sparrow	180	267	39	259	146	237	189	109	88	120	291	159
White-crown Sparrow	168	57	-	3	14	30	4	31	2	26	31	26
Sparrow sp.	-	33	-	-	-	-	-	-	-	-	-	-
Dark-eyed Junco	53	131	56	82	185	111	132	91	225	136	61	181
Lapland Longspur	-	-	-	-	-	-	-	-	-	-	-	-
Northern Cardinal	146	155	31	185	249	207	272	103	85	171	132	96
Bobolink	-	-		-	-	-	1	-	-	-	-	-
Red-wing Blackbird	93	830	-	84	27	650	6	324	90	374	-	258
Eastern Meadowlark	7	251	30	72	34	119	113	59	54	87	4	10
Western Meadowlark	-	-	-	-	-	-	-	-	-	-	-	-
Rusty Blackbird	-	-	-	17	-	15	5	20	-	cw	-	9
Brewer's Blackbird	-	-	-	-	-	-	-	-	-	-	-	-
Common Grackle	30	6	-	428	926	5017	2025	88	9	792	-	300
Brown-head Cowbird	-	107	-	2	220	61	62	19	29	226	-	36
Blackbird sp.	-	-	-	-	1087	5250	2320	-	-	-	-	-
Purple Finch	32	8	8	12	21	83	17	6	10	27	1	6
House Finch	95	11	38	44	153	48	142	15	45	10	49	51
Red Crossbill	-	-	2	-	-	-	-	-	-	-	-	-
Pine Siskin	-	-	87	4	-	1	-	-	-	-	2	-
Amer. Goldfinch	201	85	125	250	106	212	137	41	32	129	153	33
House Sparrow	11	73	-	163	89	51	164	7	24	43	27	12
Total individuals	6343	6555	1799	17712	10824	20629	65779	5768	34401	8919	4070	3292
Total Species	82	73	61	105	70	86	89	92	75	75	71	79
Effort:												
Observers	21	11	21	23	13	9	16	8	8	18	17	12
Parties	6	5	8	10	6	6	6—8	-	5	8	6	-
Party Hours	55	50.5	45.5	91.5	54	54.75	57.25	36	48.5	67	50	73.5
Hours by car	33	32.5	13.5	34.5	29	43.5	41.75	-	45	38.75	26	-
Hours on foot	22	18	32	57	25	8.25	15.5	-	3.5	28.25	24	-
Miles by car	360	300.5	81	441.5	363	343	304.5	-	326	442.25	232	-
Miles on foot	10.5	12.5	31	36	16	7	10	-	5	18.25	14	-
Hours Owling	2	2.25	0.5	4	-	6	3	-	-	4.75	1	-
Miles Owling	18	-	2	37.5	-	37	25	-	-	36	2	-
Hours by boat/other	-	-	-	-	-	3	-	-	-	-	-	-
Miles by boat/other	-	-	-	-	-	10	-	-	-	-	-	-
Feeder Watchers	-	-	-	-	5	-	7	-	1	-	-	-
Feeder Hours	-	-	-	-	28.25	-	8	-	1	-	-	-

Bris. = Bristol, B.Riv = Buffalo River, Cade = Cades Cove, Chatt = Chattanooga, Clark = Clarksville, Clay = Clay County, Cook = Cookeville, Colum = Columbia, CrsCrk = Cross Creek NWR, DeKalb = DeKalb County, Eliz = Elizabethton, Fay = Fayette County, GSMNP = Great Smoky Mtn Natl. Park, Grne = Greeneville, Hk-Pr = Hickory-Priest, Hrim = Highland Rim, Hiwa = Hiwassee, Jack = Jackson, Knox = Knoxville, Leb = Lebanon, Mem = Memphis, Nash = Nashville, Nick = Nickajack, Norr = Norris, Reel = Reelfoot, Roan = Roan Mtn, Savh = Savannah, ShVl = Shady Valley, Warr = Warren.

GSMNP	Grne	Hk-Pr	HRim	Hiwa	Jack	Knox	Leb	Mem	Nash	Nick	Norr	Reel	Roan	Savh	ShVl	Warr	Total
25	52	119	10	128	70	164	19	105	146	95	59	451	1	221	6	74	2487
-	-	-	-	-	-	-	-	7	-	7	-	-	-	21	-	-	35
-	14	-	44	127	30	42	3	70	-	11	14	37	-	289	-	24	865
-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2
1	-	18	-	3	5	1	1	9	9	5	4	41	-	18	1	-	143
134	142	69	35	341	65	389	22	171	142	204	291	161	22	360	144	70	4269
-	-	-	-	1	-	-	-	-	1	-	-	1	-	2	-	-	5
16	25	52	5	141	27	86	1	94	39	65	45	202	2	193	16	20	1307
141	155	111	21	382	117	649	68	712	490	255	500	254	23	390	101	99	6552
-	100	17	4	20	9	26	26	78	12	11	24	72	-	22	38	8	859
-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	37
401	28	91	10	77	192	181	11	346	204	115	92	205	139	314	132	11	3993
-	-	-	-	-	-	-	-	20	2	-	-	361	-	3	-	-	386
165	219	85	21	233	51	372	38	277	464	184	311	214	8	204	76	72	4826
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
4	82	161	250	1117	6134	cw	44	842	390	110	2	10542	-	3301	42	23	25780
22	121	9	29	90	68	65	7	76	75	7	71	115	-	263	7	40	1905
-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	4
4	8	52	-	25	-	-	-	395	1	24	-	211	-	8	-	1	795
2	-	-	-	-	-	-	-	-	-	-	-	1	-	18	-	-	21
-	1	6	280	5222	710	-	2000	3426	185	847	-	395	-	341	39	2005	25078
2	33	20	-	47	54	33	-	162	2	6	-	223	-	762	-	15	2121
-	-	-	-	-	3000	-	25	-	-	-	-	-	-	850	-	-	12532
8	16	4	-	22	1	13	10	2	11	15	53	-	-	13	-	12	411
34	83	31	2	77	20	156	27	21	70	92	44	4	30	64	14	29	1499
8	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	12
101	-	-	-	11	-	2	-	-	1	-	-	-	71	33	-	-	313
258	153	27	5	67	-	442	33	68	228	117	178	54	85	214	293	16	3742
49	20	42	7	28	39	80	4	87	70	14	44	129	8	59	25	7	1376
3420	5981	27245	3540	35529	35537	18646	5176	17690	10472	30608	8332	181544	805	26051	3045	57192	656904
64	79	88	80	107	78	86	58	104	82	97	80	115	43	101	62	76	163
21	17	15	11	16	5	51	8	23	34	14	18	14	3	13	9	6	455
10	8	4	6	7	3	26	3	4—8	10	6	9	6	2	7	4	3	174
67.25	51.9	38.5	19	60	22.5	115.5	18.25	61	79	50	48.75	58.5	14	70.75	32.75	29.5	1520.65
14.25	29.4	12	16	17	13.5	38	-	27.75	39	24	20	38	6	29.25	22.5	26	710.15
53	22.5	26.5	3	36.5	9	76.25	-	33.25	40	26	28.75	20.5	8	41.5	10.25	3.5	672
201.2	286.4	193	150	240	178	444.5	65	216.8	279	286	182.2	390.5	51	344.7	230	262	7194.05
51	13	17	4.5	23	6.5	58.5	3	28	27.75	15.5	21.3	11	4	23	11	2	480.3
-	1	2.5	1.3	-	1	6.25	-	0.5	2.5	5.6	2.25	3	-	4.5	4	1.75	59.65
-	0.6	2.5	5	-	15	41.5	-	4	12.5	60.5	8	14.5	-	32.5	-	25	379.1
-	-	-	-	6.5	-	1.25	-	-	-	-	-	-	-	-	-	-	10.75
-	-	-	-	67	-	1.5	-	-	-	-	-	-	-	-	-	-	78.5
-	6	-	-	-	-	9	1	-	4	-	3	-	-	1	-	-	37
-	17.5	-	-	-	-	25	2	-	8.5	-	4	-	-	0.5	-	-	94.75

and Dorothy McConnell, Royce Neidert, Jane Newell, Muriel Ross, Donette Sellers, Don Simbeck (compiler: 424 Riddle Ln., Loretto, TN 38469; dksimbec@loretto2.lcs.usit.net), Alexander Williams, Morris Williams, and Buford Worn.

CADES COVE (35° 36′ N, 83° 50′ W) – 28 Dec. 2003; 0650-1920. Weather: clear in the morning, turning partly cloudy with wind SW 15 mph in the afternoon; 23-58° F. Totals for Red-bellied Woodpecker, Yellow-bellied Sapsucker, and Pileated Woodpecker represented all-time count highs, but other count numbers were generally low, particularly for sparrow species. Other highlights were 9 Ruffed Grouse and 2 Red Crossbills. Observers: Mark Armstrong, Jean Alexander, Lyn Bales, Deedee Blaine, Paul Hartigan, Madeleine Hassil, Susan Hoyle (compiler: P. O. Box 11752, Knoxville, TN 37939; hoyle@cs.utk.edu), Jim Human, Evan W. James, David Johnson, Kristine Johnson, Carol Lammers, Dan and Laurie Mooney, Jamie and Michael Matzko, Martha Rudolph, David Trently, Craig and Keith Watson, and June Welch.

CHATTANOOGA (35° 06′ N, 85° 14′ W) – 20 Dec. 2003; 0600-1800. Weather: clear, with winds at 5-10 mph NW; 28-42° F. Highlights included Long-tailed Ducks, Virginia Rails, a Rufous Hummingbird, Sedge and House Wrens, and Orange-crowned Warblers. Peregrine Falcons continue to be seen below Chickamauga Dam. Observers: David Aborn, Tim Baker, Harold Birch, Nelson Bennett, Clyde Blum, Kevin Calhoun (compiler: 934 Craven's Terrace, Lookout Mtn., TN 37409; kac@tennis.org), Archie Currens, Danny Gaddy, Bill Haley, Dennis Harris, John Henderson, Daniel Jacobson, Bonnie Johnson, Barbara and Mike McMahan, Jonnie Sue Lyons, David and Roger Patterson, David Spicer, David Vogt, Jimmy Wilkerson, Dan Williams, and Libby Wolfe.

CLARKSVILLE (36° 30′ N, 87° 22′ W) – 3 Jan. 2004; 0700-1630. Weather: partly cloudy in the morning turning clear in the afternoon with southerly winds; 64-71° F. Highlights included a Rough-legged Hawk, 381 Wild Turkeys, American Pipit, and Purple Finch. The species total of 70 was two below the past ten-year average of 72. Eastern Bluebird numbers were half of what they have been the past two years. Blackbird totals were also very low. Observers: Suva Bastin, Alan Bottomlee, Kathy Dewein, Randy Ellis, Elaine Foust, Deborah Hamilton (compiler: 290 Ardmoor Dr., Clarksville, TN 37043; ammonite@charter.net), Steve Hamilton, Nita Heilman, Gloria and William Milliken, Helena Minniehan, Daniel Moss, Sally Noel, Louis Podell, Duane Rice, Joe and Sally Schiller, and Barbara Wilbur.

CLAY COUNTY (36° 30′ N, 85° 22′ W) – 18 Dec. 2003; 0430-1615. Weather: cloudy all day with light rain and snow in the morning and variable winds 0-2 mph; 30-51° F. Some nice totals were recorded for Wild Turkey, Bald Eagle, an American Woodcock, Eastern Screech Owl, Horned Lark, Cedar Waxwing, and Purple Finch. Observers: Terry Campbell (compiler: 1886 New Hope Rd., Celina, TN 38551; terry_campbell@fws.gov), Gary Casey, Roseanna Denton, Arlene Morten, Michael O'Rourke, Tom Saya, Barbara and Stephen J. Stedman, and Winston Walden.

COLUMBIA (Mayfield-Gray chapter) (35° 36′ N, 87° 10′ W) – 31 Dec. 2003. Weather: clear all day; 15-25° F. Observations of note included Greater White-fronted Goose, 2 Ospreys, 10 Cooper's Hawks, Merlin, American Woodcock, Barn Owl, House Wren, American Pipits and Rusty Blackbirds. Observers: None provided.

COOKEVILLE (36° 09′ N, 85° 28′ W) – 20 Dec. 2003; 0430-1700. Weather: clear all day with no precipitation and variable wind at 0-5 mph; 16-25° F. The 89 species recorded this year were an all-time high, surpassing the previous high count of 80, set in 1998. This count has been active in Cookeville for 41 years. Rufous Hummingbird, Ovenbird, and Bobolink were new species for the count, bringing the all-time Cookeville CBC species total to 129. The Long-tailed Duck was registered for the second time on a Cookeville CBC and only the third time in county history. A Harlan's form of Red-tailed Hawk was counted for just the second time on this CBC. Gadwall, Northern Shoveler, Green-winged Teal, American Coot, Sandhill Crane, and Pileated Woodpecker numbers established new Cookeville CBC high counts. Turkey Vulture and Yellow-rumped Warbler numbers established new high counts for the Cookeville CBC *and* Putnam County. Northern Bobwhite and Loggerhead Shrike, species whose populations are regionally or continentally declining, were not found on this count. American Kestrel and Eastern Bluebird were found in lower than usual numbers. Observers: Kris Bolin, Daniel L. Combs, Doug A. Downs, Ginger Ensor, Janie C. Finch, Michael Hawkins, Jane Herrin, Margo Hinkle, Stan Hood, David Hume, Peggy Kilgore, Nancy S. Layzer, Kenneth L. Morgan, Michael P. O'Rourke, John C. Owens, Dena Russell, Michele Ramsey, Richard W. Simmers, Jr., Barbara H. and Stephen J. Stedman (compiler: 2675 Lakeland Dr., Cookeville, TN 38506; sstedman@tntech.edu), Winston A. Walden, and Carol D. Williams.

CROSS CREEKS N.W.R. (36° 28′ N, 87° 45′ W) – 15 Dec. 2003; 0600-1445. Weather: clear all day; 32-43° F. Greater White-fronted Goose and Snow Goose were among 13 species of waterfowl for this count. Other highlights included Red-breasted Nuthatch, Pine Warbler, and White-crowned Sparrow. Observers: Margarette Blanton, Joe Casey, Richard Graves, Wendell Halderson, Madge Lawrence, Bill and Joyce North, and Sarah Welker (compiler: USFWS, Cross Creeks NWR, 643 Wildlife Road, Dover, TN 37058; sarah_welker@fws.gov).

DeKALB COUNTY (36° 00′ N, 85° 49′ W) – 30 Dec. 2003; 0500-1745. W eather: clear all day with winds W at 0-5 mph; 30-40° F. This was the first ever DeKalb CBC. This count circle includes much of Center Hill Lake, Smithville, and the surrounding countryside. It also samples the abundant cedar thickets found on the lower levels of the hillsides surrounding the lake. Highlights included Eared Grebe, Merlin, Eurasian Collared-Dove, Loggerhead Shrike, 13 Winter Wrens, 52 Hermit Thrushes, and a Yellow-breasted Chat. Observers: Danny Bryan, Mary Anne Carpenter, Gary Casey, Darcy Cripps, Dee Crandell, Tommy and Virginia Curtis, Judy Fuson, Greg Garrison, Mike Hawkins, Marg Hayes, Clinton, Jenkins, Nancy Layzer, Allison Mains, Stephen J. Stedman, Mike Tatum, Winston Walden,

and Carole Williams (compiler: 3909 Cookeville Highway, Smithville, TN 37166; cdenson@dtccom.net).

ELIZABETHTON (36° 20′ N, 82° 08′ W) – 14 Dec. 2003; 0645-1700. Weather: overcast and intermittent drizzle all day; fog and a few snow flurries at higher elevations; wind W at 5-10 mph; 32-38° F. This was the 61st consecutive CBC at Elizabethton. The Rufous Hummingbird was a new species for the count. Two Gray Catbirds (reported by separate parties) represented the second record for the count. Observers: Gilbert Derouen, Don Holt, Brad Jones, Rick Knight (compiler: 804 N. Hills Dr., Johnson City, TN 37604: RKnight@preferred.com), H.P. Langridge, Larry McDaniel, Joe McGuiness, Tom McNeil, Dexter and Linda Newman, Mike Poe, Bryan Stevens, Kim Stroud, Ed and Michelle Talbott, Gary Wallace, and Frank Ward.

FAYETTE (35° 06′ N, 90° 35′ W) – 3 Jan. 2004. Weather: partly cloudy all day; 63-71° F. Interesting finds included 15 Northern Harriers, a Barn Owl, 5 species of wrens, an Orange-crowned Warbler, and Rusty Blackbird. Observers: None provided.

GREAT SMOKY MOUNTAINS N.P. (35° 43′ N, 83° 29′ W) – 20 Dec. 2003; 0630-1700. Weather: clear all day with no wind, but 0-10″ snow; 10-45° F. Brewer's Blackbird was a new species for this count, bringing the all-time total species for this CBC to 122. The totals for Mallard, Wild Turkey (tie), Red-bellied Woodpecker (tie), and Yellow-bellied Sapsucker all represented new high counts for this CBC. Red-breasted Nuthatch was missed for only the third time since this count started in 1937. Rusty Blackbird was also a nice find. Observers: Warren Bielenberg, Cathleen Cook, Jim Giocomo, Ginger Goolsby, Jerry Hadder, Tony Headrick, Jessica Honiker, Harold Howell, Susan Hoyle, Kristine Johnson, Dan Kim, Tony King, Dan and Laurie Mooney, Jimi and Nell Moore, Chuck Nicholson, Marie Oakes, Allan and David Trently (compiler: 1029 Morrow Dr., Knoxville, TN 37923; dtrently@utk.edu), and Keith Watson.

GREENEVILLE (36° 10′ N, 82° 51′ W) – 27 Dec. 2003; 0730-1830. Weather: sunny all day, with no precipitation or wind; 20-60° F. Count highlights included 8 Cooper's Hawks, a Merlin, a Sandhill Crane, a Gray Catbird, and 8 Rusty Blackbirds. Observers: Phine Britton, Bobbie Dier, Jeane Driese, King and Margaret Gaut, Juanita and Lenard Heckart, Don and Jim Holt (compiler: 311 Colonial Circle, Greeneville, TN 37745; jimbouh@adelphia.net), Richard Knight, Alice Loftin, Don Miller, Fawn and Velda Moore, Eleanor Mosca, Richard and Willie Ruth Nevius, Linda Northrop, Ruth Rinker, JoAnne and Larry Routledge, Lou Simmons, and Virginia Williams.

HICKORY-PRIEST (36° 12′ N, 86° 40′ W) – 1 Jan. 2004; 0530-1730. Weather: a.m. was cloudy and p.m. was partly cloudy; 34-61° F. Species found in unusually high numbers were Common Loon, Black Vulture, Red-shouldered Hawk, and Carolina Wren. Unusual species included Sora, Short-eared Owl, Rufous Hummingbird, Sedge Wren, Orange-crowned Warbler, and Rusty Blackbird. A notable miss was White-breasted Nuthatch. Observers: Gary Casey, Phillip Casteel,

Richard Conners, Beth Creighton, Susan Hollyday, Alicia and Mary Beth Hovies, Rob Lane, Jon Mann, Ken Oeser, Sarah Scott, Jan Shaw, Chris Sloan (compiler: 512 Old Hickory Blvd., Apt. 1203, Nashville, TN 37209; chris.sloan@comcast.net), Joe Stone, and Sabin Thompson.

HIGHLAND RIM (35° 18′ N, 85° 34′ W) – 27 Dec. 2003; 0500-1400. Weather: clear to partly cloudy; 25-61° F. Some nice finds included 200 Horned Grebes, Least Sandpiper, American Pipit, and a Pine Warbler. Observers: John J. Bruner (compiler: 2752 Old Salem Lexie Rd., Belvedere, TN 37306; jbruner@infoave.com), Lois Bruner, Don Davidson, Jerry Ingles, John Lamb, Ruth Luckado, Lee and Nickey Medley, Chloe and Howell Peebles, and Lisa Trail.

HIWASSEE (35° 22′ N, 84° 54′ W) – 1 Jan. 2004; 0600-1800. Weather: clear in the morning turning cloudy with rain and wind at NW 5-10 mph in the afternoon; 31-51° F. Nineteen species of waterfowl included Ross's Goose, Greater White-fronted Goose, and Tundra Swan. Other highlights were Golden Eagle, Merlin, Greater Yellowlegs, Gray Catbird, and Lincoln's Sparrow. Brewer's Blackbirds were reported but inadequate documentation was submitted to confirm the sighting. Observers: Nelson Bennett, Harold Birch, Clyde Blum, Kevin Calhoon (compiler: 1185 Mountain Creek Rd., Apt. 715, Chattanooga, TN 37045; kac@tennis.org), William Haley, John Henderson, Daniel Jacobson, Bill and Bonnie Johnson, Judy Newsome, Johnny Parks, Robin Rudd, David Trently, Cynthia and Jimmy Wilkerson, and Libby Wolfe.

JACKSON (35° 37′ N, 88° 49′ W) – 27 Dec. 2003; 0630-1730. Weather: mostly sunny in the morning and sunny in the afternoon; 39-61° F. An American Bittern was a great find and a new species for the count. Also of interest were a Loggerhead Shrike, 2 Palm Warblers (2nd count record), and a Purple Finch. Notable misses for this count included Northern Bobwhite, Ring-billed Gull, Eastern Screech Owl, Fish Crow (missed for the first time in 5 years), Chipping Sparrow, Rusty and Brewer's Blackbirds, and Pine Siskin. Observers: Bob Ford, Clay Gascoigne, Mark Greene (compiler: 194 Mount Orange Road, Trenton, TN 38382; magreene@usit.net), Rick Light, and Michael Todd.

KNOXVILLE (35° 55′ N, 84° 05′ W) – 3 Jan. 2004; 0000-0030, 0330-1745. Weather: trace of rain and overcast in the morning, turning mostly cloudy in the afternoon; winds were gusty at 10-20 mph; 59-70° F. Although the count featured several highlights, most parties reported lackluster birding overall and several "staked-out" birds could not be located on count day. One bird that did cooperate was a Ruby-throated Hummingbird that was seen on count day and identified later. The species total was a bit below the 10-year average of 88. Greater White-fronted Goose, Cattle Egret, and Sage Thrasher were new species for the count, but only Cattle Egret was seen on count day. Rufous Hummingbird, Brown-headed Nuthatch, Carolina Wren, Yellow-rumped and Palm Warbler totals all represented new count highs. The low species count was due mostly to low numbers of waterfowl species, with Bufflehead missed for only the 4th time in 30 years. Great Egret was missed for the first time since the 1989-1990 CBC. Observers: Jean Alexander,

Lyn Bales, Peg Beute, Kathy Bevins, Frank Bills, Sharon Bostick, Mark Campen, Mary Carpenter, Ed and Meredith Clebsch, Gail and Steve Clendenen, Marcia Davis, Amber and K. Dean Edwards (compiler: 1615 Meadow Chase Lane, Knoxville, TN 37931; kde@utk.edu), Linda and Nelson Edwards, Barbara Finney, Chris Foelli, Reid Gerhardt, JimGiocomo, Carole Gobert, Paul Hartigan, Madeleine Hassil, Ron Hoff, Tom Howe, David H. and Harold Howell, Susan Hoyle, Jim Human, Wesley James, David and Kristine Johnson, Dan Kim, Tony King, Ed Manous, Janet McKnight, Dollyann Myers, Charles P. Nicholson, Vince Pantalone, Joseph Pyle, Boyd Sharp, Bob Steffy, Jean Stierberger, Carolyn and Charles Susano, Allan and David Trently, June Welch, Chris Welsh, and Corwin Witt.

LEBANON (36° 25′ N, 86° 36′ W) – 3 Jan. 2004; 0730-? Weather: cloudy until 11 a.m. with winds at S 14 mph; 65-71. Some interesting finds included 200 Black Vultures, a Fox Sparrow, and 10 Purple Finches. Observers: Charles and Earline Berry, Kay and Ralph Brinkhurst, Frank Crawford, Melissa Turrentine (compiler: 339 Rippy Ridge Road, Normandy, TN 37360; roymel@cafes.net), Roy Turrentine, and Dean and Jeri Walker.

MEMPHIS (35° 09′ N, 89° 56′ W) – 14 Dec. 2003; 0630-1700. Weather: cloudy in the morning turning partly cloudy in the afternoon with winds gusting 0-20 mph; 35-38° F. Highlights were many with Long-tailed Duck, Peregrine Falcon, Forster's Tern, Common Ground-Dove, Sedge Wren, Blue-winged Warbler, LeConte's Sparrow, and a whopping 395 Rusty Blackbirds. Observers: David Blaylock, Carolyn Bullock, Jim and Sue Ferguson, Harry Gayden, Van Harris, Anne Hooper, Robert Ilardi, Margaret Jefferson (compiler: 349 Hawthorne Ave., Memphis, TN 38112; mjefferson@utmem.edu), Keith Kunkel, Gerry Papachristou, George and Jeanne Payne, Rob Peeples, Dick Preston, Ernest Restivo, Virginia Reynolds, Ed Thomas, Steve Veltman, Martha Waldron, Barbara Wilson, Jeff Wilson, and Linda Zempel.

NASHVILLE (36° 03′ N, 86° 56′ W) – 20 Dec. 2003; 0430-1650. Weather: clear with a light NW wind; 21-40° F. Highlights included a Bald Eagle, House Wren (4th record since 1966), Gray Catbird (4th record), Lapland Longspur (4th record), Lincoln's Sparrow (2nd record), and a Pine Siskin. Brewer's Blackbirds were reported, but inadequate documentation was submitted to confirm the sighting. Observers: Sue Ansley, Sandy Bivens, Susan and Trey Bradfield, Jean Buchanan, Ed Byrne, Gary Casey, Phillip Casteel, Richard Conners, Debbie Dreves, Francis Fekel, Tarcila Fox, John Froeshauer, Nancy Garden, Ed Gleaves, Jim and Sharon Hiett, Susan Hollyday, Linda Kelly, Paul Koehler, Robert Lane, Judy Luna, Jon Mann, Gail Miller, Elizabeth O'Conner, Amy Potter, Jan Rinker, Sarah Scott, Jan Shaw (compiler: 5019 Timberhill Dr., Nashville, TN 37211; JanKShaw@aol.com), Kathy Shaw, Shirlene Spicer, Dee Thompson, Rita Venable, and Mary Zimmerman.

NICKAJACK LAKE (35° 04′ N, 85° 31′ W) – 27 Dec. 2003; 0400-1700. Weather: partly cloudy all day with no wind; 26-52° F. Nineteen species of waterfowl included Red-breasted Merganser. Species found in unusually high numbers were Double-crested Cormorant, Northern Shoveler, Northern Pintail, Canvasback, and Sandhill Crane. Green-winged Teal was listed as an unusual species for this count.

Other highlights were over 18,000 American Coots, Brown-headed Nuthatch, Loggerhead Shrike, and Vesper Sparrow. Observers: David Chaffin, William Haley, John Henderson, Daniel Jacobson, Floyd Murdoch, Rebecca and Robin Rudd, Deborah and Roi Shannon, David and Jonathan Spicer, Carl Swafford, and Cynthia and Jim Wilkerson. Compiler: Kevin Calhoun, 934 Craven's Terrace, Lookout Mtn., TN 37409; kac@tennis.org).

NORRIS (36° 13′ N, 84° 05′ W) – 14 Dec. 2003; 0645-1630. Weather: cloudy with light rain in the a.m., to partly cloudy in the p.m. Winds were variable at 0-15 mph; 38-44° F. Unusual species included Snow Goose, Rufous Hummingbird, House Wren, and Common Yellowthroat. Species recorded in unusually high numbers were Sandhill Crane, Rufous Hummingbird, Yellow-bellied Sapsucker, Ruby-crowned Kinglet, Cedar Waxwing, Chipping Sparrow and Swamp Sparrow. Observers: Jean Alexander, Ellen Bean, K. Dean Edwards, Tracey Everson, Grace Foster, Pat Gregory, Susan Hoyle, David Johnson, Tony King, Sam Lewis, Dan and Laurie Mooney, Charlie Muise, Charles Nicholson (compiler: P. O. Box 402, Norris, TN 37828; cpnichol@bellsouth.net), Laurie Pearl, Martha Rudolph, Boyd Sharp, and David Trently.

REELFOOT LAKE (36° 25′ N, 89° 23′ W) – 20 Dec. 2003; 0515-1730. Weather: partly cloudy in the morning becoming mostly sunny in the afternoon with no precipitation; 23-46° F. Observers tallied 115 species, one below the all-time record of 116, which was tied last year. A Vermilion Flycatcher, which had been hanging around for weeks before the count, was seen on count day for the first Reelfoot Lake CBC record. Other highlights included Ross's Goose, 22 species of waterfowl including Greater Scaup, 9 Common Loons (record high for this CBC), American White Pelican, Least Sandpiper, American Woodcock, Short-eared Owl, Sedge and Marsh Wrens, Orange-crowned Warbler (seen at 2 different locations), Northern Waterthrush (4th Reelfoot CBC record and first since 1980), Common Yellowthroat (3 seen at 3 different locations), Lincoln's Sparrow, Western Meadowlark (4 seen at 2 locations), and Brewer's Blackbird. Species seen in impressive numbers included Ring-billed Gulls and 100,000 American Robins coming to a roost at dusk near Tiptonville. Notable misses were Northern Bobwhite, Red-breasted Nuthatch, LeConte's Sparrow (no habitat), Purple Finch, and Pine Siskin. Observers: Jay Desgrosellier, Jerry Drewry, Bob Foehring, Mark Greene (compiler: 194 Mt. Orange Rd., Trenton, TN 38382; magreene@usit.net), Joe Guinn, Ken Leggett, Don Manning, Nancy Moore, John Noel, Joe Stone, Sabin Thompson, Michael Todd, Melinda Welton, and Jeff Wilson.

ROAN MOUNTAIN (36° 06′ N, 82° 07′ W) – 15 Dec. 2003; 0730-1645. Weather: clear with wind at SW 10-25 mph and 1-2 inches of snow above 4000 ft. elevation; 22-36° F. Species of note included Ruffed Grouse, 24 Red-breasted Nuthatches, and Red Crossbill. Chipping Sparrow was a new species for this count. Observers: Don Holt, Reece Jamerson, and Rick Knight (compiler: 804 N. Hills Dr., Johnson City, TN 37604; rknight@preferred.com).

SAVANNAH (35° 08′ N, 88° 09′ W) – 3 Jan. 2004; 0630-1715. Weather: cloudy in a.m. to partly cloudy in p.m., with winds 0-20 mph SSW; 64-74° F. Highlights for the count include Lesser Black-backed Gull, Common Ground-Dove, Short-eared Owl, Fish Crow, and Lincoln's Sparrow. Observers: Dwight Cooley, Scott Gravette, Mark Greene, Ken Hansgen, Francis and Gary Markine, Johnny Parks, Jack Paul, Ned Piper, John Ross, Floyd Sherrod, Damien Simbeck (compiler: 4905 County Rd. 33, Killen, Al. 35645; tnbarredowl@aol.com), and Michael Todd.

SHADY VALLEY – MOUNTAIN CITY (36° 30′ N, 81° 51′ W) – 4 Jan. 2004; 0615-1530. Weather: light wind from the south and no precipitation; 51-67° F. Notable finds included Wild Turkey, Barn Owl, Common Raven, Red-breasted Nuthatch, and Fox Sparrow. Observers: Rob Biller (compiler: 1500 Bell Ridge Rd., Apt. 5, Johnson City, TN 37601; Z02@aol.com), Ron Carrico, J. Wallace Coffey, Rack Cross, Don Holt, Andrew W. Jones, Rick Knight, Tom McNeil, and Christopher O'Bryan.

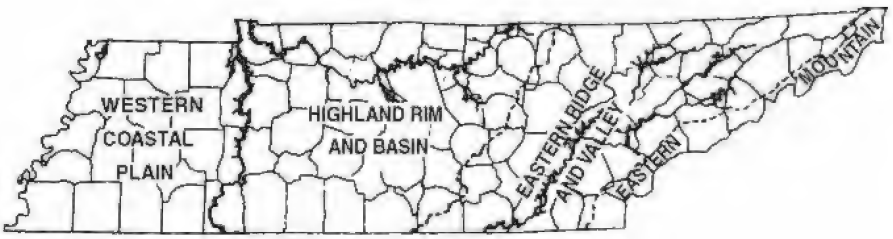
WARREN COUNTY (35° 40′ N, 85° 46′ W) – 27 Dec. 2003; 0415-1700. Weather: clear all day with winds at 0-5 mph; 25-45° F. Notable finds included Sandhill Crane, Eurasian Collared-Dove, Loggerhead Shrike, over 52,000 European Starlings, and Rusty Blackbird. Observers: Crystal and Doug Malone, Michael O'Rourke, Stephen J. Stedman (compiler: 2675 Lakeland Dr., Cookeville, TN 38506; sstedman@tntech.edu), Winston Walden, and Carole Williams.

(ERRATA : The total species for the Reelfoot count last year (2002) should have been 116, not 118.)

The Migrant 75 (2): 71-80, 2004

THE WINTER SEASON

RICHARD L. KNIGHT, Editor



1 DECEMBER 2003 - 29 FEBRUARY 2004

Temperatures this winter were near to slightly below average, while precipitation was a bit below average in most areas. Snowfall was light, except in the eastern mountains.

Good numbers of the three less-common species of geese were reported statewide, with Ross's found in all four regions. Likewise, there were several reports of Merlin and Peregrine Falcon, as their populations continue to recover. New high counts and expansion into new areas were noted for the Eurasian Collared-Dove; birders should continue to report new areas of occupancy by this invader. While most boreal irruptives were quite scarce, Purple Finch staged one of their better flights into the state in recent years. A team of banders netted an unprecedented number (for Tennessee) of Northern Saw-whet Owls just outside the Smokies.

A prominent aspect of this season's birdlife was the large number and variety of lingering (i.e., out-of-season) birds. Most remarkable among these were Scarlet Tanager and Bobolink, both of which winter in South America and whose occurrence during winter in North America is almost unheard of! Also newsworthy was the presence of 12 species of warblers, perhaps a record count for winter in Tennessee. Other notables in this category included American Bittern, Cattle Egret, Osprey, Forster's Tern, Common Nighthawk, Gray Catbird (from all four regions), Summer Tanager, Indigo Bunting, and Baltimore Oriole. Furthermore, numbers of Palm Warbler and Chipping Sparrow were considered to be above average in many areas.

As always, rarities attracted a lot of attention. Notable this season were Yellow-billed Loon, Black-headed Gull, California Gull (two sites), Thayer's Gull, Common Ground-Dove (two sites), Say's Phoebe, Vermilion Flycatcher (two sites), Sprague's Pipit, and Townsend's Warbler.

Standard Abbreviations

ad - adult
CBC - Christmas Bird Count
Co - County
Cr - Creek
ers - earliest reported sighting
et al. - and others
fide - reported by
im - immature
Is - Island
L - Lake
lrs - latest reported sighting
max - maximum count
m.ob. - many observers
Mtn - Mountain
NWR - National Wildlife Refuge
R - River
sp. - species
SP - State Park
WMA - Wildlife Management Area

WESTERN COASTAL PLAIN REGION — This season's weather was fairly typical. Though the winter was not especially mild, several of the "half-hardy" species (e.g., Forster's Tern, House Wren, Palm Warbler and locally large numbers of Chipping Sparrows) remained through the season. Among the irruptive species, Purple Finches made their strongest showing in several years. On the other hand, there were few reports of Pine Siskins and only one of Red-breasted Nuthatch.

Rarities were the real story this winter. Most notable were Yellow-billed Loon, Black-headed Gull, and Say's Phoebe. Not one, but two, young male Vermilion Flycatchers were discovered; plumage distinctions differentiated the bird at Hatchie from the bird seen earlier at Reelfoot. In the category of very unusual (and surprising) in winter were both Summer and Scarlet Tanagers, a Northern Waterthrush, and a Blue-winged Warbler. Photos were obtained of Thayer's Gull at Pickwick and California Gull at Pace Point.

Waterfowl: **Greater White-fronted Goose**: reported from Henry, Lake, Lauderdale, and Shelby Cos; 20 Dec (2109) Reelfoot CBC, max. **Snow Goose**: latter part of Jan (150,000) Reelfoot L. area (TWRA personnel fide KCL), high count for West Tenn. **Ross's Goose**: 20 Dec (3) Reelfoot CBC (MAG, JRW); 21 Dec/28 Jan (3/2) Britton Ford (JRW, MCT et al.); 5 Feb (1) Shelby Farms (JRW); 22 Feb (1) Hatchie NWR (JRW). **Canada Goose**: subspecies *hutchinsii* : 4 Jan - 13 Feb (up to 9) Shelby Farms (WRP, JRW). **Blue-winged Teal**: 14 Dec (6) Memphis CBC, lrs; 22 Feb (45) Black Bayou, Lake Co (KCL), ers. **Canvasback**: 21 Dec (500) Britton Ford (MCT, JRW et al.), max. **Redhead**: 21 Feb (243) Hardin Co (JRW), max. **Greater Scaup**: reported from Hardin, Henry, Lake, and Shelby Cos; 22 Jan (94) TVA Lake (JRW), max. **Lesser Scaup**: 7 Dec (3000) Robco L. (CHB, VBR), max. **Surf Scoter**: 26 Dec (3) Pickwick SP (JRW). **Black Scoter**: 2 Dec (1) Reelfoot L. (shot by hunter, viewed by NaM); 4 Jan - 22 Feb (1) TVA Lake (JRW, WRP, VBR, CHB). **Long-tailed Duck**: 14/16 Dec (1) TVA Lake/McKellar L., Shelby Co (JRW). **Common Goldeneye**: 25 Jan (450) Paris Landing, Henry Co (JRW), max. **Common Merganser**: 24 Jan - 24 Feb (up to 29) Henry Co (JRW, KAC, BJJ, MJN, DMa, MCT). **Red-breasted Merganser**: 13 Dec (122) Pace Point (DMa, MCT), max.

Loon - Falcon: **Red-throated Loon**: 26 Dec (1) Pickwick SP (JRW); 12 Jan - 28 Feb (1-5) Pace Point (JRW, m.ob.). **Pacific Loon**: 13 Dec -28 Feb (1-3) Henry Co, mainly at Pace Point (Hap Chambers, Roseanna Denton, DMa, MCT, JRW, m.ob.). **Common Loon**: 21 Feb (250) Pace Point (JRW), max. **YELLOW-BILLED LOON**: 21-28 Feb (1) Pace Point (JRW, photo, m.ob.), first for West Tenn. **Red-necked Grebe**: 13 Dec (1) Pace Point (DMa, MCT). **American White Pelican**: reported thru period from Benton, Henry, Lake, Obion, and Shelby Cos; 25 Feb (350) Lick Cr. WMA, Benton Co (MCT, JRW), max. **American Bittern**: 27 Dec (1) Madison Co (MAG). **Great Egret**: 7 Dec (2) Robco L (CHB, VBR), lrs; 13 Feb (1) Hardin Co (JRW), ers. **Cattle Egret**: 22 Feb (1) Robco L (CHB, WRP, Steve Veltman), ers. **Black-crowned Night-Heron**: 19 Feb (1) Shiloh National Military Park, Hardin Co (BHS). **Osprey**: 29 Feb (2) Pace Point (MCT, JRW), ers. **Bald Eagle**: 1 Feb (1 ad on nest) Shelby Co (CHB, VBR). **"Harlan's" Red-tailed Hawk**: 3 Dec (1) Lake Co (MCT). **Rough-legged Hawk**: 6 Dec (1, light morph) Lake Co (JRW); 11 Jan (1, light morph) Dyer Co (KCL). **Golden Eagle**: 12 Jan (3) Pace Point (JRW et al.), max there. **Merlin**: 17 Jan (1) Pickwick SP (JRW); 31 Jan (1) Shelby Farms (MGW); 29 Feb (1) Pace Point (MCT, JRW). **Peregrine Falcon**: 13 Dec (1) Black Bayou, Lake Co (DDP); 14 Dec (1) President's Is. (MGW et al.); 12 Jan (1) Paris Landing, Henry Co (JRW et al.); 29 Feb (1) Pace Point (MCT, JRW).

Rail - Owl: **Virginia Rail**: 28 Feb (1) Wolf River WMA (MGW, George Payne, Andrew Phifer). **Sandhill Crane**: 27 Dec (1) Shelby Forest (Jim Armacost, Sylvia Wortham). **Killdeer**: 20 Dec (995) Reelfoot CBC, new high for count. **Greater Yellowlegs**: 14 Dec (1) EARTH Complex (JRW), lrs. **Lesser Yellowlegs**: 14 Dec (5) EARTH Complex (WRP, VBR, JRW, Linda Zempel), lrs. **Least Sandpiper**: max for each month: 7 Dec (860) EARTH Complex (CHB, VBR); 12 Jan (4) Shelby Farms (VBR); 1 Feb (37) EARTH Complex (CHB, VBR). **Dunlin**: 14 Dec (2) EARTH Complex (JRW), lrs. **American Woodcock**: 20 Dec (2) Reelfoot CBC; 3 Jan (10) Savannah CBC; 28 Feb (1) Wolf River WMA (MTOS). **BLACK-HEADED GULL**: 25 Jan (1 ad) Big Sandy Unit, Tenn. NWR, Henry Co (JRW), first for West Tenn. **Ring-billed Gull**: 20 Dec (22,248) Reelfoot CBC, high count for West Tenn. **CALIFORNIA GULL**: 10-18 Jan (1 im) Pickwick SP (JRW, Clyde Blum); 25/27 Feb (1 ad) Pace Point (JRW, MCT, DMa, photo). **THAYER'S GULL**: 9 Jan - 21 Feb (1-2 im) Pickwick SP (JRW, MCT, RDH, KAC, PDC, m.ob., photo). **Lesser Black-backed Gull**: 3 Jan - 17 Feb (1-3 im) Pickwick SP (JRW, KAC, PDC, m.ob.). **Great Black-backed Gull**: 7-14 Feb (1 im) Pickwick SP (JRW, KAC, PDC et al.). **Forster's Tern**: 14 Dec (1) Shelby Farms (George Payne et al.); 17 Dec (6) Henry Co (MCT); 22 Jan/13 Feb (2/3) Robco L (JRW). **Eurasian Collared-Dove**: 15 Jan (624) President's Is. (JRW), new high count for state. **Eurasian Collared-Dove X Mourning Dove**: 31 Jan (1 apparent hybrid) President's Is. (JRW, photo). **Common Ground-Dove**: 14 Dec (1) President's Is. (MGW, Ernest Restivo, Harry Gayden). **Short-eared Owl**: 7 Dec/1 Jan (1) Dyer Co (JRW, MCT et al.); 16 & 20 Dec/4 Feb (1-3) Lake Co (NaM, KCL et al.); 3 Jan (2) Savannah CBC.

Flycatcher - Catbird: **SAY'S PHOEBE**: 27 Dec (1) Brandywine Is., Tipton Co (DDP, Keith Kunkel). **VERMILION FLYCATCHER**: 5 Dec - 26 Jan (1 im. male)

Air Park, Reelfoot L. (Bud & Alice Johnson, m.ob., photo); 22-29 Feb (1 im. male) Hatchie NWR (JRW et al., photo). **Blue-headed Vireo**: 13 Jan (1) Pickwick SP (MCT). **Fish Crow**: 20 Dec (1) Reelfoot L (MAG); 29 Jan (2) Pickwick SP (Damien Simbeck); 12 Feb (10) Robco L (CHB, WRP, Steve Veltman). **Purple Martin**: 18 Feb (1) Memphis (JRW), ers. **Tree Swallow**: 22 Feb (2) Hatchie NWR (JRW), ers. **Red-breasted Nuthatch**: 21 Feb (1) Memphis (Robert Ilardi), only report. **House Wren**: reported from Shelby (4 sites), Benton, & Hardin Cos (m.ob.). **Sedge Wren**: 7 Dec (1) Dyer Co (JRW et al.); 13 Dec (1) Benton Co (Dee Thompson et al.); 14 Dec (1) Shelby Farms (MTOS); 20 Dec (1) Reelfoot CBC; 28 Feb (2) Wolf River WMA (MTOS). **Marsh Wren**: 20 Dec (3) Reelfoot CBC; 28 Feb (2) Wolf River WMA (MTOS). **American Robin**: 20 Dec (100,336) Reelfoot CBC, new high for count. **Gray Catbird**: 3 Dec (1) Shelby Farms (VBR).

Warbler - Siskin: **BLUE-WINGED WARBLER**: 14 Dec (1) North Treatment Plant, Shelby Co (DDP, Van Harris), first winter record in state. **Orange-crowned Warbler**: 4/14 Dec (1/3) Memphis (VBR/Margaret Jefferson, MGW et al.); 20/25 Dec (2/1) Reelfoot L (MCT, DMa, NaM). **Palm Warbler**: 7 Dec (1) EARTH Complex (CHB, VBR); 13/21 Dec (1) Britton Ford (JSD, Charlie Muise/JRW); 27 Dec (2) Jackson CBC; 3 Jan - 15 Feb (up to 7) Pickwick SP (JRW et al.); 15 Feb (1) Shelby Farms (MGW). **Northern Waterthrush**: 20/25 Dec (1) Reelfoot L (JSD, Bob Foehring/NaM). **Common Yellowthroat**: 20 Dec (3) Reelfoot CBC. **Summer Tanager**: 15 Jan - 17 Feb (1 female) Munford, Tipton Co (DDP). **SCARLET TANAGER**: 13/18 Jan (1 female) Munford, Tipton Co (DDP), first winter record in state. **American Tree Sparrow**: only reported from Lake Co; 9 Feb (50) Reelfoot L (KAC, BJJ, MJN), max. **Chipping Sparrow**: reported thru period in Fayette, Hardin, Lake, & Shelby Cos; 10 Jan (75) Pickwick SP (JRW et al.), max; 7 Feb (50) Fayette Co (Judy Dorsey), Feb max. **LeConte's Sparrow**: 7 Dec/1 Jan (10/2) Dyer Co (JRW, MCT et al.); 14 Dec (2) EARTH Complex (JRW); 13 Jan (1) Hardin Co (MCT). **Lincoln's Sparrow**: 20 Dec (1) Obion Co (DMa, MCT); 3 Jan (2) Savannah CBC; 22 Feb (1) Wolf R., Shelby Co (WRP). **Lapland Longspur**: reported from Hardin, Lake, Lauderdale, & Shelby Cos; 7 Dec (1400) Lake Co (JRW), max. **Smith's Longspur**: 29 Feb (2) Dyer Co (KCL, Betty Leggett). **Western Meadowlark**: 20 Dec (4) Lake Co (MAG, JRW); 1 Jan (2) Lauderdale Co (JRW). **Brewer's Blackbird**: 13 Dec (20) Lake Co (DDP); 3 Jan (18) Savannah CBC. **Purple Finch**: reported from 7 counties & 6 Shelby Co. sites; 28 Jan (50) Henry Co (MCT et al.), max. **Pine Siskin**: 3 Jan (33) Savannah CBC; 13 Feb (1) Fayette Co (Judy Dorsey).

Locations: Britton Ford - in Henry Co; EARTH Complex - in Shelby Co; Hatchie NWR - in Haywood Co; Pace Point - in Henry Co; Pickwick SP - in Hardin Co; President's Is. - in Shelby Co; Reelfoot L - in Lake & Obion Cos; Robco L - in Shelby Co; Shelby Farms/Forest - in Shelby Co; TVA Lake - in Shelby Co; Wolf River WMA - in Fayette Co.

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HIGHLAND RIM AND BASIN REGION — The winter months saw near normal temperatures in the Nashville area. Likewise, precipitation totals were close to their averages for the first two months of the quarter. February had about 50% more rain than normal, but nearly reached its monthly average in a single day (5 February) when over four inches fell. This deluge caused significant flooding of many streams and small rivers in middle Tennessee. Although rainfall was near normal, snowfall, at least in the Nashville area, was quite low, barely more than an inch.

Goose - Bittern: **Greater White-fronted Goose**: 17 Jan (157) Duck R. Unit (GBC). **Ross's Goose**: 27 Jan (1) Shelby Park (PDC); 27 Jan (3) DeKalb Co (Judy Fuson, CDW), first Co. record. **Gadwall**: 20 Dec (148) Radnor L., Davidson Co (SSH). **Redhead**: 17 Feb (101) White Co (Doug Downs), max. **Greater Scaup**: 16 Feb (6) Center Hill L. (SJS). **Long-tailed Duck**: 20 Dec - 4 Feb (1) Cane Cr. Park, Putnam Co (BHS, m.ob.). **Northern Bobwhite**: 11 Jan (8) Shelby Bottoms (RHC). **Common Loon**: 16 Feb (40) Lillydale, Dale Hollow L (SJS, Terry Campbell), max. **Horned Grebe**: 31 Dec (265) Center Hill L (SJS); 16 Feb (120) Lillydale, Dale Hollow L (SJS, Terry Campbell). **Eared Grebe**: 30 Dec (1) Center Hill L (SJS, Nancy Layzer). ***Aechmophorus* sp.**: 14 Feb (1) Lillydale, Dale Hollow L (Frank Bills, Sharon Bostick, RDH, Dollyann Myers), too distant to determine specific identity. **American White Pelican**: 1 Feb (50) Duck R. Unit (TJW). **American Bittern**: 14 Jan (1) Shelby Bottoms (Mike O'Malley, Tommy & Virginia Curtis).

Eagle - Hummingbird: **Bald Eagle**: 20 Dec (1) Bell's Bend (PDC, GBC, MAZ). **"Harlan's" Red-tailed Hawk**: 20 Dec (1) northern White Co on Cookeville CBC (SJS et al.). **Merlin**: 28 Dec (1) DeKalb Co (Judy Fuson). **Sora**: 1 Jan / 22 Feb (1) Shelby Bottoms (PDC, SSH, KO / Barbara Harris). **Sandhill Crane**: 21 Feb (650+) Dale Hollow L (Howard Groce), max. **Least Sandpiper**: 18 Feb (1) Rutherford Co (TJW). **Eurasian Collared-Dove**: 27 Dec (5) Vervilla, Warren Co (SJS, CDW), first Co record; 30 Dec (20) Smithville, DeKalb Co (CDW et al.); 1 Feb (3) Duck R. Unit (TJW). **COMMON GROUND-DOVE**: 3 Jan (1) Savannah CBC, east side of Tennessee R. **Barn Owl**: 12 / 20 Dec (1) Putnam Co (SJS), with 2 eggs present 27 Feb. **Short-eared Owl**: 1 Jan - 28 Feb (1-4) Shelby Bottoms (SSH, PDC, KO, m.ob.). **Common Nighthawk**: 7 Dec (3) Nashville (JSD). **Rufous Hummingbird**: 18 Jan (2 banded) Putnam Co (Chris Sloan, Portia Macmillan).

Vireo - Pipit: **Blue-headed Vireo**: 28 Dec (1) Edgar Evins SP, DeKalb Co (SJS, MJH). **Horned Lark**: 20 Dec (14) Bell's Bend (PDC, GBC, MAZ). **Red-breasted Nuthatch**: 6 Dec (1) Shelby Park (PDC). **Brown-headed Nuthatch**: 14 Dec (7) Cookeville (SJS, WAW). **House Wren**: 9 Dec (2) Shelby Bottoms (PDC, Frank Fekel); 20 Dec (1) Davidson Co (Tarcila Fox, Dee Thompson); 20 Dec (1) Cookeville (SJS et al.); 27 Dec (1) Warren Co (SJS, CDW). **Sedge Wren**: 3 / 31 Dec (1 / 3) Shelby Bottoms (PDC). **Gray Catbird**: 20 Dec (1) Nashville (Dee Thompson). **American Pipit**: 20 Dec (95) Bell's Bend (PDC, GBC, MAZ); 30 Dec (200) DeKalb Co (CDW et al.). **SPRAGUE'S PIPIT**: 9 Jan (1) Hatley Rd., Hardin Co (DDP), first regional record.

Warbler - Longspur: **Tennessee Warbler**: 1 Dec (1) Nashville (Hazel Cassel), late. **Orange-crowned Warbler**: 24 Dec (1) Shelby Bottoms (PDC); 8 Feb (1) White Co (SJS, WAW). **Palm Warbler**: 15-25 Dec/21 Jan (1-6/1) Putnam Co (SJS et al.); 27 Dec (1) Warren Co (CDW, SJS); 8 Feb (1) White Co (SJS, WAW); 18 Feb (4) Rutherford Co (TJW). **Ovenbird**: 2 Dec (1) downtown Nashville (Sabin Thompson); 20 Dec (1) Putnam Co (Kris Bolin, Dan Combs). **Yellow-breasted Chat**: 30 Dec (1) DeKalb Co (MJH); 23-24 Jan (1) Cookeville (SJS, WAW). **Lincoln's Sparrow**: 5 Dec (1) Putnam Co (SJS, BHS), first winter record for Co; 20 Dec (1) Davidson Co (RHC). **Lapland Longspur**: 20 Dec (2) Bell's Bend (PDC, GBC, MAZ).

Bunting - Siskin: **Indigo Bunting**: 10 Dec (1) Shelby Bottoms (PDC). **BOBOLINK**: 20-28 Dec (1) Ironwood Golf Course, Putnam Co (Ginger Ensor, Kenneth Morgan, MJH/SJS - photo), first winter record in state. **Rusty Blackbird**: 1 Jan (51) Shelby Park (PDC, SSH, KO), max. **Brewer's Blackbird**: 20 Dec (18) Bell's Bend (PDC, GBC, MAZ), rare in Nashville area & new early date there; 4 Feb (35) White Co (SJS); 22 Feb (100+) Long Hunter SP, Davidson Co (RHC). **Purple Finch**: moderate to fairly good numbers in Cookeville area (SJS). **Pine Siskin**: 17 Dec (60) Clay Co (BHS); 20 Dec (1) Davidson Co (Jack & Sue Ansley).

Locations: Bell's Bend - in Davidson Co; Center Hill L. - in DeKalb Co; Dale Hollow L. - in Clay Co; Duck R. Unit - unit of Tennessee NWR, in Humphrey's Co; Shelby Bottoms/Park - in Davidson Co.

Corrigendum: in *The Migrant* 74:54, the Greater White-fronted Goose reported from Warren Co. was seen on 28 Dec 2002, not 28 Jan 2003.

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CUMBERLAND PLATEAU/RIDGE & VALLEY REGION — Both temperature and precipitation were slightly below average for this winter period. A half-dozen light snowfalls occurred in the northern portion of the region.

Waterfowl were highlighted by good numbers of geese, a widespread movement of Redheads, and a smattering of scoters and Long-tailed Ducks. However, dabbling ducks seemed to be in below average numbers. A Rough-legged Hawk returned to a traditional wintering site in the upper Sequatchie Valley. Notable lingering species included Cattle Egret, Osprey, several Gray Catbirds, Hooded Warbler, and Baltimore Oriole. Above average numbers of Palm Warblers and Chipping Sparrows were reported. Boreal irruptives appeared in rather small numbers. A Northern Goshawk and the holdover Sage Thrasher were rare visitors.

Waterfowl: **Greater White-fronted Goose**: 7 Dec (5) Limestone (DHM); 13 Dec (7) Gray, Washington Co (RLK); 13-26 Dec (1) Knox Co (Janet McKnight, m.ob.); 1 Jan (4) Hiwassee CBC (KAC, Clyde Blum, BJJ, MJN). **Snow Goose**: well above average numbers, with reports from Meigs, Bledsoe, Fentress, Campbell, Anderson, Knox, Greene & Washington Cos; 18-25 Jan (17-21, both morphs) Greene Co (DHM), max.

Ross's Goose: 11-19 Dec (1) Knox Co (David Howell, m.ob.); 18-19 Dec (3) Greene Co (DHM et al.); 1 Jan (1) Hiwassee CBC (BJJ, MJN); 12-24 Jan (1-2) Bledsoe Co (DRJ, John Henderson, m.ob.). **Tundra Swan**: 1 Jan (1) Hiwassee CBC (BJJ, MJN). **Northern Pintail**: 14 Feb (35) Greene Co (DHM), max. **Green-winged Teal**: 6 Dec (49) Greene Co (DHM), max. **Canvasback**: 27 Dec (60) Nickajack CBC, record high on that count; small numbers (1-8) during Jan/Feb in Campbell, Anderson, Greene & Sullivan Cos. **Redhead**: early Jan thru Feb, a notable influx of 2-50 at various sites in Hamilton, Meigs, Campbell, Scott, Anderson, Greene & Washington Cos. **Greater Scaup**: 20 Dec (44) Chattanooga CBC, max there; 1 Feb (3) Kingsport (RLK). **Surf Scoter**: 11 Jan (1) Norris L., Union Co portion (Allan Trently, Hill Henry); 17 Jan (2) Tellico L., Monroe Co (Steve & Rebecca Satterfield). **White-winged Scoter**: 23 Jan (1) Boone L., Sullivan & Washington Cos (DAH); 25 Jan (5) Fort Loudoun L., Blount Co portion (Frank Bills); 30 Jan into Mar (1) Chickamauga L., Hamilton Co (MJN, m.ob.). **Long-tailed Duck**: 20 Dec (6 females) Chattanooga CBC (BJJ, MJN); 9 Jan (1 female) Cove Lake SP (NeM). **Common Merganser**: 24 Jan - 19 Feb (1 female) Dayton city park, Rhea Co (RDH, Dollyann Myers, m.ob.).

Loon - Falcon: **Common Loon**: 20 Dec (72) Chattanooga CBC, max. **Double-crested Cormorant**: 27 Dec (91) Nickajack CBC, Marion Co; thru season (16-20) Kingsport (RLK). **Cattle Egret**: 3 Jan (1) Knoxville CBC (Charles Nicholson). **Black-crowned Night-Heron**: thru season (4+) Kingsport (RLK); 25 Jan (27) Douglas Dam, Sevier Co (DHM). **Osprey**: 27 Dec (1) Greeneville CBC (DHM). **Northern Goshawk**: 28 Feb (1) Hamilton Co (DRJ, John Henderson). **Red-tailed Hawk**: 14 Feb (1, dark morph) Greene Co (DHM). **Rough-legged Hawk**: 8 Dec (1, light morph) Limestone (DAH); 18 Dec/12 Jan (1, dark morph) Ninemile Crossroad, Bledsoe Co (KAC et al.). **Golden Eagle**: 1 Jan (1) Hiwassee CBC (BJJ, MJN). **Merlin**: 1 Jan (1) Hiwassee CBC (Johnny Parks); 1 Jan (1) Cove Lake SP (NeM); 11 Jan (1) Limestone (LCM, DAH); 18/24 Feb (1) Kingsport (Rick Phillips). **Peregrine Falcon**: thru season (2) Chattanooga nesting area (m.ob.); 20 Dec - 24 Jan (1 ad) Limestone (Rack Cross, RLK et al.), present for second winter; 26 Dec (1) downtown Knoxville (Dean Edwards).

Rail - Owl: **Virginia Rail**: thru season (up to 6) Standifer Gap Marsh, Hamilton Co (David Patterson, KAC et al). **Sandhill Crane**: 1 Jan (13,951) Hiwassee CBC, record high for that count; 2 Dec (50) Knox Co (Dean Edwards); 8-22 Dec (1) Limestone (DAH, m.ob.); 31 Dec (2) Sullivan Co (Michelle King); latter reports east of usual corridor. **Killdeer**: 15 Dec (287) Greene Co (DHM), max. **Greater Yellowlegs**: 1 Jan (1) Hiwassee CBC (Bill Haley). **Least Sandpiper**: 1 Jan (17) Hiwassee CBC. **Dunlin**: 1 Jan (19) Hiwassee CBC; 14 -22 Feb (1) Brainerd Levee, Hamilton Co (Harold Birch et al.). **American Woodcock**: 6-28 Feb (1-2 at 3 sites) Greene Co (DHM). **Eurasian Collared-Dove**: 4 Jan (250) Hamilton Co (Jimmy & Cynthia Wilkerson), record high count there; Jan - Feb (2) Calhoun, McMinn Co (Kristine Johnson). **Barn Owl**: 8 Dec (2) Obed Wild & Scenic R., Morgan Co (BHS), first there. **Northern Saw-whet Owl**: 13/21 Feb (1) separate Scott Co sites (SJS).

Raven - Thrasher: **Common Raven**: 6 Jan (4) Bristol (RLK); 19 Jan (1) Greeneville (DHM); 20 Jan (1) Johnson City (RLK). **Tree Swallow**: 28 Feb (5) Blount Co (Jean Alexander et al.), ers. **Red-breasted Nuthatch**: 16 Jan (5) Big South Fork, Scott Co (BHS), max; very scarce elsewhere. **Brown-headed Nuthatch**: 3 Jan (5 at 3 sites) Knoxville CBC; 30 Jan (2, excavating cavity) Louisville Park, Blount Co (Steve Satterfield). **House Wren**: 17/19 Jan (1) Blount Co (Jean Alexander). **Sedge Wren**: 20 Dec (1) Chattanooga CBC. **Marsh Wren**: 15 Dec (1) Greene Co (DHM). **Gray Catbird**: 20 Dec (1) Chattanooga CBC; 27 Dec (1) Greeneville CBC (DHM); 1 Jan (1) Hiwassee CBC; 1 Feb (1) Washington Co (DHM). **Sage Thrasher**: from last period thru 17 Feb (1) Knox Co (Susan Hoyle).

Warbler - Grosbeak: **Orange-crowned Warbler**: 20 Dec (2) Chattanooga CBC; 3 Jan (1) Knoxville CBC; 22 Feb (1) Hamilton Co (KAC, DRJ). **Pine Warbler**: 16 Jan (1) Big South Fork, Scott Co (BHS), unusual there in winter. **Palm Warbler**: 20 Dec (6) Chattanooga CBC; 3 Jan (30) Knoxville CBC, record tally on that count; small numbers thru season in Greene & Washington Cos (DHM/RLK). **Hooded Warbler**: 1 Jan (1 male) Cleveland (Robert & Leigh Loveday). **Chipping Sparrow**: 20 Dec (123) Chattanooga CBC, record high on that count; 12 Dec - 31 Jan (1-8) Greene Co (DHM); 12 Jan (31) Washington Co (RLK), unusually high winter count there. **Lincoln's Sparrow**: 1 Jan (1) Hiwassee CBC (KAC). **Lapland Longspur**: from last period thru 24 Jan (6-12) Limestone (RLK, m.ob.). **Red-winged Blackbird**: 10 Jan (40,000) Greene Co (DHM), max. **Brewer's Blackbird**: 2 Dec (6) Cove Lake SP (NeM); thru season (up to 30) Dunlap, Sequatchie Co (BJJ et al.). **Common Grackle**: 10 Jan (100,000) Greene Co (DHM), max. **Baltimore Oriole**: 15 Feb into Mar (1 im. male) Friendsville, Blount Co (Kim Henry, photo). **Purple Finch**: small to moderate numbers scattered unevenly. **Pine Siskin**: small numbers on plateau, scarce in valley; max 40 in Morgan Co (Jeanne Richardson) & 75 in Bledsoe Co (Roi Shannon). **Evening Grosbeak**: 29 Dec (1) Morgan Co (Jeanne Richardson), only report.

Locations: Cove Lake SP - in Campbell Co; Hiwassee Refuge - primarily Meigs Co; Limestone - in Washington Co.

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EASTERN MOUNTAIN REGION — Temperatures were slightly below average for the period and precipitation was about normal. Several moderate snowfalls hit the region.

Goose - Grebe: **Ross's Goose**: 24 -25 Feb (6) Watauga R., Carter Co (LCM, m.ob.), first record in Co. **Redhead**: 31 Jan - 24 Feb (5-9) Wilbur L (RLK, m.ob.); 17 Feb (3) S. Holston L. (Ed Talbott). **Greater Scaup**: 10 Jan (5) Watauga L, Carter Co portion (Tom McNeil); 26 Jan (1) S. Holston R. weir (RLK). **White-winged Scoter**: 21-23 Jan (1) Middlebrook L, Sullivan Co (RLK, m.ob.). **Black Scoter**: 11 Jan (2) Chota,

Monroe Co (DJT, Tony King). **Common Goldeneye**: 28 Dec - 28 Jan (1-4 females) S. Holston R. weir (JWC et al.); 11 Jan (3 males) Chota, Monroe Co (DJT, Tony King); 29 Jan (1 female) Erwin, Unicoi Co (Joe McGuiness, Kim Stroud). **Bufflehead**: 13 Jan (190) Wilbur L (RLK), max there; 26 Jan (242) S. Holston R. weir (RLK), max. **Red-breasted Merganser**: 1 Dec (43) S. Holston L (JWC). **Red-throated Loon**: 5 Dec (1) S. Holston L (RLK). **Horned Grebe**: 13 Jan (14) Watauga L, Johnson Co portion (RLK), max. **Eared Grebe**: 22 Feb (2) S. Holston L (LCM), scarce during mid-winter in regular area, but re-appeared in March.

Osprey - Hummingbird: **Osprey**: 3 Jan (1) S. Holston L (LCM). **Red-shouldered Hawk**: 14 Dec (1) Elizabethton CBC; 1 Jan (1) Elizabethton (DAH). **Merlin**: 10 Jan (1) Holston Valley, Sullivan Co (JWC, Rack Cross, Andy Jones, Chris O'Bryan). **Peregrine Falcon**: 22 Feb (2) Greenbrier Pinnacle, GSMNP (Susan Hoyle, Kristine Johnson). **American Woodcock**: 29 Feb (3) Shady Valley (LCM, JWC et al.). **Ring-billed Gull**: 7 Feb (1400) S. Holston L (RLK), max. **Herring Gull**: 7 Feb (5) S. Holston L (RLK), max. **Barn Owl**: 15 Dec (1) Tellico Plains, Monroe Co (John Champion). **Northern Saw-whet Owl**: late Nov thru early Jan (27 banded) Blount Co (Jim Giocomo et al.). **Rufous Hummingbird**: from last period thru 2 Mar (1) Elizabethton (Gary Wallace).

Shrike - Siskin: **Loggerhead Shrike**: 13 Jan (1) Dry Hill, Johnson Co (RLK). **Blue-headed Vireo**: 15 Feb (1) Wilbur L (DAH et al.), probably an early migrant. **Tree Swallow**: 29 Feb (1) Shady Valley (LCM, JWC et al.), ers. **House Wren**: 14 Dec (2) Elizabethton CBC. **Gray Catbird**: 14 Dec (2) Elizabethton CBC (LCM et al./Ed Talbot). **Brown Thrasher**: 14 Dec (2) Elizabethton CBC; 4 Jan (2) Mountain City, Johnson Co (RLK); thru season (1 + 1) separate Carter Co sites (DAH/Fred Alsop). **TOWNSEND'S WARBLER**: 13 Jan (1) Wilbur L (RLK), third state record. **Palm Warbler**: 3 Dec (7) Elizabethton (RLK); 14 Dec (1) Elizabethton CBC; 27 Dec (2) Cades Cove CBC, GSMNP; 28 Dec (17) Bristol CBC. **Chipping Sparrow**: 15 Dec (1) Roan Mtn CBC (DAH), first on that count. **Red Crossbill**: 15 Dec (2) Roan Mtn CBC; 15 Feb (2-3) Chestnut Top Trail, GSMNP (DJT). **Purple Finch**: thru season (20-40+) near Milligan College, Carter Co (Fred Alsop), max. **Pine Siskin**: 15 Dec (71) Roan Mtn CBC, max; mid Jan thru season (10-30+) Hampton, Carter Co (Bryan Stevens); 4 Feb (4) Shady Valley (Chris O'Bryan).

Locations: GSMNP - Great Smoky Mountains National Park; Roan Mtn - in Carter Co; Shady Valley - in Johnson Co; S. Holston L - in Sullivan Co; S. Holston R. weir - in Sullivan Co; Wilbur L - in Carter Co.

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The Migrant records observations and studies of birds in Tennessee and adjacent areas.

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